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27 May 2005

Project No. P219 TO8

Letter Report
Groundwater Monitoring Conducted 11 April 2005 and
Evaluation of the Source of Groundwater Contamination
501 North Main Street
Fort Bragg CA
RWQCB Case No. 1TMC387

Dear Mr. DeCaminada:

This letter report summarizes groundwater monitoring we performed 11 April 2006, along with our evaluation of the source of groundwater contamination that is currently observed at 501 North Main Street, Fort Bragg CA (Figures 1 and 2).

The 11 April 2005 monitoring data were consistent with historical data; contamination at 501 North Main Street generally consists of low concentrations of petroleum hydrocarbons in groundwater at the southeast corner of the property, near well MW2. The source of groundwater contamination at 501 North Main Street is offsite and upgradient (to the east). The contamination source is likely located beneath Pine Street, near the southwest corner of the former tanks excavation at 500 North Main Street.

We request that the North Coast Regional Water Quality Control Board close the contamination case at 501 North Main Street.

BACKGROUND FOR 501 NORTH MAIN STREET

A chronology of environmental activities associated with 501 North Main Street is summarized in Table 1.

501 North Main Street is currently operated as a vehicle detailing facility. 501 North Main Street was formerly operated as a vehicle fueling and vehicle repair facility.

On 19-21 May 1998, the following activities were performed at 501 North Main Street:

- A 15,000-gallon underground gasoline tank was closed in place.

- A 400-gallon underground gasoline tank, a 325-gallon underground waste oil tank, eight 55-gallon underground virgin motor oil tanks, and associated buried piping were removed and disposed of offsite.
- Soil samples were collected from beneath the tanks and piping, as well as from stockpiles of excavated soil. Total petroleum hydrocarbons as gasoline (TPH-gasoline) concentrations were nondetect, except for one measurement of 2.7 mg/kg. TPH-diesel/kerosene/stoddard solvent concentrations were nondetect, except for three measurements between 1.3 and 5.4 mg/kg.
- The tank removal excavations were subsequently backfilled with imported fill and repaved.

On 22-23 October 1998, a 28-gallon underground tank and a 24-gallon underground tank and associated piping were removed from 501 North Main Street. These tanks were likely very old and stored kerosene or unleaded gasoline (white gas). Soil samples were collected from beneath the tanks and piping as well as from stockpiles of excavated soil. TPH-gasoline and TPH-diesel/kerosene/stoddard solvent concentrations were nondetect.

Streamborn prepared a report summarizing the various tank removals (Streamborn 1998).

Since 1998, several borings have been drilled and soil samples have been collected and analyzed. Five of the borings were completed as ±24-foot deep, 2-inch diameter monitoring wells. These monitoring wells have been periodically sampled and tested. Historic groundwater level and gradient data, soil analytical data, and monitoring well purge and analytical data for 501 North Main Street are summarized in Tables 2-5. Sampling locations area shown on Figure 2. Various Streamborn reports have been prepared summarizing the work (Table 8).

ACTIVITIES AT 500 NORTH MAIN STREET

500 North Main Street is located due east of 501 North Main Street (Figure 2). 500 North Main Street is currently operated as a self-serve carwash facility. 500 North Main Street was formerly operated as a vehicle fueling facility.

Several underground fuel tanks were previously removed from 500 North Main Street. Subsequently, three monitoring wells (500-MW-1 through 500-MW-3) were installed and seven borings (500-B-1 through 500-B-7) were drilled to investigate the nature and extent of soil and groundwater contamination associated with the former tanks. Historic soil analytical data and groundwater analytical data are summarized in Tables 6 and 7. The well and boring locations are shown on Figure 2.

In March 2005, three additional wells (500-MW-4 through 500-MW-6) were installed (Figure 2).

Selected reports by the McEdwards Group are reproduced in Attachment 3 and summarized in the bibliography (Table 8).

CONCURRENT GROUNDWATER MONITORING AT 500 AND 501 NORTH MAIN STREET

The North Coast Regional Water Quality Control Board requested concurrent groundwater monitoring at 500 and 501 North Main Street, along with a detailed comparison of the petroleum hydrocarbon chromatograms. Streamborn and the McEdwards Group conducted the groundwater monitoring on 11 April 2005, including the following activities:

- Water levels were measured in the monitoring wells (Table 2).
- An elevation survey was conducted to establish a common datum between the wells at 500 and 501 North Main Street (Attachment 4).
- Wells MW2, MW4, 500-MW-1, 500-MW-2, 500-MW-3, 500-MW-4, 500-MW-5, 500-MW-6 were purged and sampled (Table 4) (Attachment 1). Purge water for the wells at 500 North Main Street was stored onsite in labeled drums.
- Groundwater samples were analyzed for TPH-diesel/kerosene/stoddard solvent/motor oil, TPH-gasoline/BTEX (EPA Method 5030/8021), fuel oxygenates (EPA Method 8260), and volatile organic compounds (EPA Method 8260) (Attachment 3). McCampbell Analytical analyzed the samples. To facilitate comparison of the chromatograms (Attachment 5), samples from both properties were analyzed within the same sample train.

Details of the work at 500 North Main Street are summarized in the McEdwards Group report dated 30 April 2005 (Attachment 3).

The direction of groundwater gradient was interpreted using water elevations for both properties (Figure 3). The groundwater gradient was directed toward the west at a magnitude of 0.009, which is consistent with historic data (Table 2).

Remarkable concentrations of TPH-gasoline and TPH-diesel/kerosene/stoddard solvent/motor oil (middle distillates) were measured in wells MW2 and 500-MW-5 (Table 5 and 7, Figure 4). McCampbell Analytical characterized the middle distillate petroleum hydrocarbon as stoddard solvent.

SUMMARY OF SUBSURFACE CONDITIONS AT 500 AND 501 NORTH MAIN STREET

Subsurface conditions have been explored at 500 and 501 North Main Street through the drilling and sampling of 24 borings/wells.

Subsurface conditions encountered during drilling primarily consisted of the following:

- Well-graded sand (SW), poorly graded sand (SP), well-graded gravel (GW), silty sand (SM), and silty gravel (GM). Starting at the base of the pavement layer and extending to a depth of approximately 24 feet.

- Weathered bedrock (Greywacke). Starting at a depth of approximately 24 feet. The drilling augers met refusal at the top of this stratum.

Groundwater moves through the sand and gravel layer, above bedrock. The depth to groundwater varies seasonally and has typically been measured between approximately 11 and 15 feet below ground surface (Table 2).

Using (only) wells at 501 North Main Street, the groundwater gradient has historically been directed west-northwest (Table 2). Using (only) wells at 500 North Main Street, the groundwater gradient has historically been directed west-southwest. Using wells at both 500 and 501 North Main Street, the groundwater gradient was directed west for measurements made 11 April 2005.

POTENTIAL PREFERENTIAL PATHWAYS OF CONTAMINANT MIGRATION

At the request of the North Coast Regional Water Quality Control Board and to help determine whether pathways of preferred contaminant migration exist in the vicinity of 500 and 501 North Main Street, we researched buried utilities in the vicinity of both properties. We reviewed files of the Fort Bragg Public Works Department in March 2004. The documented utilities we discovered during this research are shown on Figure 2. We also visited both properties in April 2004 and made measurements and observations regarding buried utilities; these are shown on Figure 2. We lack confidence that our work has accurately determined the location and depth of all buried utilities; for example, we did not discover sanitary sewer and water service piping for 500 North Main Street, but both exist at this property (these services are required for operation of the carwash). In general, we believe it unlikely that buried utilities provide a preferred pathway of contaminant migration because most of the utilities are likely buried at shallow depth, above the groundwater table (groundwater table has been measured at a depth between 11 and 15 feet). In particular, the buried utilities we documented were buried at nominal depth, above the groundwater table. It is possible that sanitary sewer piping is below the groundwater table.

The coarse nature of the subsurface soils at both properties provides relatively unimpeded groundwater flow and consequent contaminant migration. In general, pipe trench backfill material would be expected to be of similar texture (gradation) as the native soils.

INTERPRETATION OF THE SOURCE OF GROUNDWATER CONTAMINATION IN WELL MW2 AT 501 NORTH MAIN STREET

Various groups of evidence were evaluated to interpret the source of currently-observed groundwater contamination in well MW2 at 501 North Main Street. These are discussed below.

Groundwater Gradient

The groundwater gradient for 11 April 2005 (Figure 3), in conjunction with historical groundwater gradient interpretations, indicates that groundwater flow is westerly, particularly in the vicinity of the two monitoring wells that show remarkable contamination (MW2 and 500-MW-5). This indicates that (1) well MW2 is located downgradient of well 500-MW-5 and

downgradient of the former tanks at 500 North Main Street, and (2) the source of contamination is likely located upgradient of well 500-MW-5.

Nature and Extent of Groundwater Contamination

Remarkable groundwater contamination has historically been measured in wells MW2 (501 North Main Street) and 500-MW-5 (500 North Main Street) (Table 5 and 7, Figure 4). In addition, grab groundwater samples from borings 500-B-5 and 500-B-6 exhibited remarkable contaminant concentrations. In general, grab groundwater samples from borings produce significantly greater contaminant concentrations when compared to similarly-screened monitoring wells.

Groundwater concentrations decrease from well 500-MW-5 to well MW2, in the downgradient direction, indicating a contaminant source upgradient of well 500-MW-5.

We have interpreted the extent of groundwater containing petroleum hydrocarbons at concentrations exceeding 100 µg/L (Figure 4). 100 µg/L represents the taste and odor threshold for petroleum hydrocarbons in drinking water and is commonly used as a threshold of concern for potential drinking water aquifers. Our interpretation indicates well MW2 is near the downgradient limit of groundwater contamination. Our interpretation indicates a likely source of contamination exists near the southwest corner of the former tanks excavation at 500 North Main Street.

Groundwater contamination consists of (1) TPH-gasoline and (2) a middle distillate petroleum hydrocarbon that has alternatively been quantified as diesel, kerosene, and stoddard solvent (Table 5 and 7). The middle distillate hydrocarbon has not changed over the years of monitoring; instead, the chromatographic pattern has been characteristic of an old, weathered petroleum release, not necessarily corresponding to a distinct type of hydrocarbon, and alternatively interpreted by different laboratories as different types of hydrocarbons. The most recent laboratory interpretation by McCampbell Analytical indicates the middle distillate is stoddard solvent (for both MW2 and 500-MW-5).

Further insight regarding the source of contamination is provided by the analytical reports for borings 500-B-5 and 500-B-6 (Attachment 3). The laboratory reported the presence of free-phase hydrocarbons (sheen). In addition, the TPH groundwater concentrations measured in boring B-5 exceed 15% of the solubility limit of the hydrocarbons, a commonly-accepted threshold for the presence of free-phase hydrocarbons (Wiedemeier et. al. 1999). These suggest that borings 500-B-5 and 500-B-6 are located close to the source of contamination.

Comparison of Chromatograms

Chromatograms for groundwater samples from well MW2, well 500-MW-5, and boring 500-B-6 are presented in Attachment 5 and plotted on Figures 5 and 6. The well samples were collected 11 April 2005 while the boring sample was collected 2 July 2002. McCampbell Analytical analyzed the three samples using the same laboratory instruments and the April 2005 well samples were part of the same sample train. McCampbell Analytical was asked to compare and contrast the chromatograms and their interpretations are provided in the first page of Attachment 2.

Comparison of the chromatograms reveals the following:

- The April 2005 well samples show nearly identical chromatographic patterns for both the light and middle distillate hydrocarbons. A direct comparison of these two samples is significant because they were analyzed within the same sample train.
- The July 2002 boring sample and the April 2005 well samples show similar chromatographic patterns, with better agreement for the light distillate hydrocarbons than for the middle distillate hydrocarbons.
- Groundwater at MW2 and 500-MW-5 are most-certainly impacted by the same petroleum contamination. Groundwater at MW2, 500-MW-5, and 500-B-6 are most likely impacted by the same petroleum contamination. This indicates that the source of contamination is located upgradient of well 500-MW-5.

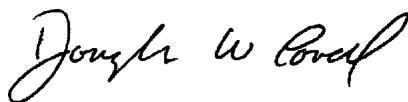
In summary, the available geohydrologic and geochemical data indicate that the source of contamination measured in MW2 at 501 North Main Street is likely located beneath Pine Street, near the southwest corner of the former tanks excavation at 500 North Main Street.

We request that the North Coast Regional Water Quality Control Board close the contamination case at 501 North Main Street.

Please contact us with any questions or comments.

Sincerely,

STREAMBORN



Douglas W. Lovell, PE
Geoenvironmental Engineer

Attachments

cc: Dan Warner/North Coast Regional Water Quality Control Board, Santa Rosa CA
Mike Mihos/Mike's Classic Car Care, Fort Bragg CA



STREAMBORN

Table 1 (Page 1 of 2)
Environmental Chronology for 501 North Main Street
501 North Main Street
Fort Bragg CA

Date	Performed By	Description
Circa 1940's	Unknown	<ul style="list-style-type: none"> Thirteen underground tanks were installed at the property: eight 55-gallon tanks, 15,000-gallon tank, 400-gallon tank, 325-gallon tank, 28-gallon tank, and 24-gallon tank. Sump installed inside the garage at the property. Hydraulic lift installed inside the garage at the property.
Circa 1940's to 1970's	Anderson	<ul style="list-style-type: none"> The property was operated as a service station called "Anderson's Service Station". The eight 55-gallon underground tanks were used to store virgin motor oil. The 15,000-gallon underground tank and 400-gallon underground tank were used to store leaded gasoline. For some period of time (dates unknown), the gasoline was supplied by Chevron. The 325-gallon underground tank was used to store waste oil. The 28-gallon underground tank and 24-gallon underground tank were used to store unknown fluids. The fact that these tanks are small in volume leads us to believe they stored fluids with a correspondingly small demand, such as kerosene and/or white gas (unleaded gasoline).
1970's	Unknown	<ul style="list-style-type: none"> The service station was closed. Use of the tanks, hydraulic lift, and sump were discontinued.
23 April 1998	Foss Environmental Services	<ul style="list-style-type: none"> The 325-gallon waste oil tank, 15,000-gallon gasoline tank, 325-gallon gasoline tank, one of the eight 55-gallon virgin motor oil tanks, and sump were triple-rinsed. Approximately 3,200-gallons of rinseate were transported to the Seaport Environmental facility (Redwood City CA) for disposal. The 15,000-gallon underground gasoline tank was ventilated with a fan (this continued to 15 May 1998).
1 May 1998	Stremborn	<ul style="list-style-type: none"> Soil samples were collected beneath each end of the 15,000-gallon underground gasoline tank via angled borings. The soil samples were analyzed for TPH-gasoline, BTEX, MTBE, and total lead.
19 - 22 May 1998	Stremborn and Foss Environmental Services	<ul style="list-style-type: none"> The 15,000-gallon underground gasoline tank was backfilled with sand-cement slurry. The remaining seven 55-gallon virgin motor oil tanks were triple-rinsed. Approximately 250-gallons of rinseate were transported to the Seaport Environmental facility (Redwood City CA) for disposal. The 400-gallon gasoline tank, 325-gallon waste oil tank, and eight 55-gallon virgin motor oil tanks were excavated and removed. The piping associated with these tanks and the 15,000-gallon tank was excavated and removed. The sump was removed. The hydraulic lift, aboveground hydraulic fluid tank, and associated piping were removed. The tanks, piping, and hydraulic lift were transported to Schnitzer Steel (Oakland CA) for recycling as scrap steel. Containerized tank solids and sump debris were transported to Demenno Kerdoon (Los Angeles CA) for disposal. Soil samples were collected from beneath the 400-gallon gasoline tank, 325-gallon waste oil tank, eight 55-gallon virgin motor oil tanks, sump, and hydraulic lift. Soil samples were collected from beneath the piping associated with the underground tanks. Soil samples were also collected from the stockpiles of excavated soil. As appropriate, soil samples were analyzed for TPH-motor oil, TPH-diesel, TPH-gasoline, BTEX, fuel oxygenates and other VOCs, semivolatile organic compounds, total lead, total chromium, total cadmium, total nickel, and total zinc. The common excavation for the eight 55-gallon virgin motor oil tanks was backfilled with approximately 8 cubic yards of imported soil. The excavation for the 400-gallon gasoline tank was backfilled with approximately 8 cubic yards of sand-cement slurry. While excavating to remove the aforementioned tanks and piping, two sets of pipes were discovered immediately south of the 15,000-gallon gasoline tank. These pipes did not appear to be associated with any of the previously-identified tanks.
8 - 9 October 1998	Stremborn	<ul style="list-style-type: none"> Seven Geoprobe borings were completed to investigate petroleum hydrocarbon releases. Soil and groundwater samples were collected in the borings. Selected soil samples were analyzed for TPH-motor oil, TPH-diesel, TPH-gasoline, BTEX, fuel oxygenates, volatile organic compounds, and semivolatile organic compounds, as appropriate. Groundwater samples were analyzed for TPH-motor oil, TPH-diesel, TPH-gasoline, BTEX, fuel oxygenates, volatile organic compounds, semivolatile organic compounds, dissolved lead, dissolved chromium, dissolved cadmium, dissolved nickel, and dissolved zinc, as appropriate.

Table 1 (Page 2 of 2)
Environmental Chronology for 501 North Main Street
501 North Main Street
Fort Bragg CA

Date	Performed By	Description
22 - 23 October 1998	Streamborn and Foss Environmental Services	<ul style="list-style-type: none"> The previously-unidentified sets of pipes were excavated, revealing two additional underground tanks that likely stored kerosene or unleaded gasoline (white gas). The 28-gallon tank, 24-gallon tank, and two sets of piping were removed. The tanks and associated piping were transported to Schnitzer Steel (Oakland CA) for recycling as scrap steel. Soil samples were collected from beneath the 28-gallon tank, from beneath 24-gallon tank, and from the stockpiles of excavated soil. The soil samples were analyzed for TPH-motor oil, TPH-kerosene, TPH-diesel, TPH-gasoline, BTEX, and total lead. The excavations for the 28-gallon tank and 24-gallon tank were backfilled with excavated soil. The excavation for the 325-gallon waste oil tank was backfilled with excavated soil and 2 cubic yards of imported soil. Concrete debris (from removal of the pump island and pavement) was transported to the Baxman Gravel Company (Fort Bragg CA) for crushing and recycling as aggregate. Approximately 16 cubic yards of soil excavated during removal of the 400-gallon gasoline tank and eight virgin motor oil tanks was transported to Keller Canyon Landfill (Pittsburg CA) for disposal.
29 December 1998	Chico Drain Oil Service	<ul style="list-style-type: none"> The drummed water and rinseate, generated during removal of the 28- and 24-gallon tanks, was transported to Oil Re-refining (Portland OR) for disposal.
30 December 1998	Foss Environmental Services	<ul style="list-style-type: none"> The drummed soil, generated during removal of the 28- and 24-gallon tanks, was transported to Chemical Waste Management (Kettleman City CA) for disposal.
13 -14 September 2000	Streamborn	<ul style="list-style-type: none"> Five monitoring wells ranging in depth from 22 to 24 feet were installed (MW1 through MW5). Soil and groundwater samples were collected and analyzed for TPH-motor oil, TPH-diesel, TPH-gasoline, BTEX, fuel oxygenates, and volatile organic compounds. Water levels were measured in the monitoring wells.
13-14 December 2000	Streamborn	<ul style="list-style-type: none"> Water levels were measured in and groundwater samples were collected from monitoring wells MW1 through MW5. Samples were analyzed for TPH-motor oil, TPH-diesel, TPH-gasoline, BTEX, fuel oxygenates, and volatile organic compounds. Level survey performed for the wells.
7 March 2001	Streamborn	<ul style="list-style-type: none"> Water levels were measured in and groundwater samples were collected from monitoring wells MW1 through MW5. Samples were analyzed for TPH-motor oil, TPH-diesel, TPH-gasoline, BTEX, fuel oxygenates, and volatile organic compounds. Level survey was performed again and the original survey measurements were verified.
13 June 2001	Streamborn	<ul style="list-style-type: none"> Water levels were measured in and groundwater samples were collected from monitoring wells MW1 through MW5. Samples were analyzed for TPH-motor oil, TPH-diesel, TPH-gasoline, BTEX, fuel oxygenates, and volatile organic compounds.
9 January 2002	Streamborn	<ul style="list-style-type: none"> Water levels were measured in monitoring wells MW1 through MW5 and groundwater samples were collected from monitoring wells MW2, MW4, and MW5. Samples were analyzed for TPH-diesel, TPH-gasoline, BTEX, and fuel oxygenates.
23 February 2003	Streamborn	<ul style="list-style-type: none"> Water levels were measured in monitoring wells MW1 through MW5 and groundwater samples were collected from monitoring wells MW2 and MW4. Samples were analyzed for TPH-motor oil, TPH-kerosene, TPH-diesel, TPH-stoddard solvent, TPH-hydraulic oil, TPH-gasoline, BTEX, and fuel oxygenates.
26 August 2003	Streamborn	<ul style="list-style-type: none"> Water levels were measured in monitoring wells MW1 through MW5 and groundwater samples were collected from monitoring wells MW2 and MW4. Samples were analyzed for TPH-motor oil, TPH-kerosene, TPH-diesel, TPH-stoddard solvent, TPH-hydraulic oil, TPH-gasoline, BTEX, and fuel oxygenates.
16 March 2004	Streamborn	<ul style="list-style-type: none"> Water levels were measured in monitoring wells MW1 through MW5 and groundwater samples were collected from monitoring wells MW2 and MW4. Samples were analyzed for TPH-motor oil, TPH-kerosene, TPH-diesel, TPH-stoddard solvent, TPH-gasoline, BTEX, and fuel oxygenates.
13 August 2004	Streamborn	<ul style="list-style-type: none"> Water levels were measured in monitoring wells MW1 through MW5 and groundwater samples were collected from monitoring wells MW2 and MW4. Samples were analyzed for TPH-motor oil, TPH-kerosene, TPH-diesel, TPH-stoddard solvent, TPH-gasoline, BTEX, and fuel oxygenates.
11 April 2005	Streamborn	<ul style="list-style-type: none"> Water levels were measured in monitoring wells MW1 through MW5 and groundwater samples were collected from monitoring wells MW2 and MW4. Samples were analyzed for TPH-motor oil, TPH-kerosene, TPH-diesel, TPH-stoddard solvent, TPH-gasoline, BTEX, fuel oxygenates, and volatile organic compounds. Sampling was performed concurrent with 500 North Main Street, Fort Bragg CA.

General Note

(a) TPH = total petroleum hydrocarbons. BTEX = benzene, toluene, ethylbenzene, and xylenes. MTBE = methyl tertiary butyl ether.

Table 2
Groundwater Level and Gradient Information at 501 North Main Street
501 North Main Street
Fort Bragg CA

Location	MW1		MW2		MW3		MW4		MW5		Groundwater Gradient			
Ground Surface	Elev = 81.85		Elev = 81.78		Elev = 81.59		Elev = 81.36		Elev = 80.75					
Measuring Point	TOC N Side, Elev = 81.49		TOC N Side, Elev = 81.35		TOC N Side, Elev = 81.28		TOC N Side, Elev = 81.07		TOC N Side, Elev = 80.39					
Intercepted Interval	Depth 9 to 24	Elev 57.8 to 72.8	Depth 9 to 24	Elev 57.8 to 72.82	Depth 9 to 24	Elev 57.62 to 72.62	Depth 8 to 23	Elev 58.32 to 73.32	Depth 7 to 22	Elev 58.72 to 73.72	Direction	Magnitude		
14 September 2000	15.29	66.20	14.27	67.08	14.92	66.36	15.12	65.95	14.30	66.09				
13 December 2000	15.17	66.32	14.34	67.01	14.98	66.30	15.17	65.90	14.36	66.03	N 64°W	0.009		
7 March 2001	11.75	69.74	11.40	69.95	11.48	69.80	11.49	69.58	10.78	69.61	N 73°W	0.004		
13 June 2001	13.82	67.67	13.04	68.31	13.54	67.74	13.67	67.40	12.90	67.49	N 77°W	0.007		
9 January 2002	10.05	71.44	9.87	71.48	9.80	71.48	9.71	71.36	9.04	71.35	N 72°W	0.002		
23 February 2003	11.25	70.24	10.98	70.37	11.0	70.28	10.99	70.08	10.29	70.10	N 79°W	0.003		
26 August 2003	14.17	67.32	13.37	67.98	13.89	67.39	14.03	67.04	13.25	67.14	N 79°W	0.003		
16 March 2004	11.69	69.80	11.34	70.01	11.42	69.86	11.43	69.64	10.71	69.68	N 79°W	0.004		
13 August 2004	14.90	66.59	14.07	67.28	14.6	66.68	14.83	66.24	13.97	66.42	N 66°W	0.01		
11 April 2005	11.45	70.04	11.14	70.21	11.19	70.09	11.17	69.90	10.47	69.92	N 96°W	0.009		
Total Depth (Last Measurement)	23.0		23.2		22.4		22.3		20.5					

General Notes

- (a) Measurements in this table are cited in units of feet, referenced to the Mean Sea Level (MSL) datum.
- (b) Measurements were made by Streamborn (Berkeley CA).
- (c) Depth of intercepted interval was measured relative to the ground surface, and corresponds to the sand pack interval.
- (d) TOC = top of PVC casing. N = north. Measuring points are the top of PVC casing, north side.
- (e) Depth to water and total depth were measured relative to the top of PVC casing.
- (f) Elevations are based on 13 December 2000 survey performed by Streamborn and 11 April 2005 survey performed on behalf of the McEdwards Group. The McEdwards Group reports that elevations were surveyed relative to the Mean Sea Level datum while the Streamborn survey was based on a site-specific (arbitrary) datum. The McEdwards Group reports that the surveyed top of casing elevation for well MW2 at 501 North Main Street was 81.35 feet (Mean Sea Level datum). Streamborn previously surveyed the top of casing elevation = 998.83 feet for well MW2 at 501 North Main Street (arbitrary datum). Accordingly, 917.48 (998.83 - 81.35) feet were subtracted from Streamborn's previously-cited elevations to reflect the Mean Sea Level datum.

Table 3
Soil Analytical Results from Borings and Monitoring Wells at 501 North Main Street

501 North Main Street
Fort Bragg CA

Location	Sample Depth (feet)	Sample Date	Sample Type	TPH-Diesel (mg/kg)	TPH-Motor Oil (mg/kg)	TPH-Gasoline (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Fuel Oxygenates (EPA Method 8260) (mg/kg)	Volatile Organic Compounds (EPA Method 8260) (mg/kg)
GP1	18-19	1 May 1998	Grab (liner)	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	NM	NM
GP2	18-19	1 May 1998	Grab (liner)	NM	NM	<1	<0.005	<0.005	<0.005	<0.005	NM	NM
GP3	15-15.5	8 Oct 1998	Grab (liner)	<1	<50	<1	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	<0.002 to <0.0071
	16-16.5	8 Oct 1998	Grab (liner)	<1	<50	4.8	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	<0.002 to <0.0071
	17.5-18	8 Oct 1998	Grab (liner)	<1	<50	<1	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	<0.002 to <0.0071
GP4	15-15.5	8 Oct 1998	Grab (liner)	<1	<50	<1	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	<0.002 to <0.0071
GP5	14.5-15	8 Oct 1998	Grab (liner)	<1	<50	<1	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	<0.002 to <0.0071
GP6	15-15.5	9 Oct 1998	Grab (liner)	<1	<50	<1	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	<0.002 to <0.0071
GP7	15-15.5	9 Oct 1998	Grab (liner)	<1	<50	<1	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	<0.002 to <0.0071
	16.5-17	9 Oct 1998	Grab (liner)	<1 ⁽²⁾	<50	79	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	<0.002 to <0.0071
	18-18.5	9 Oct 1998	Grab (liner)	<1	<50	<1	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	2-hexanone = 0.11 Others <0.002 to <0.0071
GP8	14.5-15	9 Oct 1998	Grab (liner)	<1	<50	<1	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	<0.002 to <0.0071
	18-18.5	9 Oct 1998	Grab (liner)	<1	<50	<1	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	<0.002 to <0.0071
GP9	14.5-15	9 Oct 1998	Grab (liner)	<1	<50	<1	<0.002	<0.002	<0.002	<0.002	<0.01 to <0.005	<0.002 to <0.0071
MW1	15-15.5	14 Sep 2000	Grab (Liner)	<1	<50	<1	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.5	<0.005 to <0.05
MW2	14.5-15	14 Sep 2000	Grab (Liner)	9.1 ⁽¹⁾	<50	350 ⁽¹⁾	<1.2	<1.2	<1.2	<1.2	<0.005 to <0.5	<0.005 to <0.05
	20-20.5	14 Sep 2000	Grab (Liner)	<1	<50	<1	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.5	<0.005 to <0.05
MW3	15-15.5	14 Sep 2000	Grab (Liner)	1.4 ⁽¹⁾	<50	<1	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.5	<0.005 to <0.05
MW4	15-15.5	14 Sep 2000	Grab (Liner)	320 ⁽¹⁾	360	450 ⁽¹⁾	<3.1	<3.1	<3.1	<3.1	<0.005 to <0.5	Chlorobenzene = 0.045 Isopropyl benzene = 0.570 Others <0.024 to <0.24
	19.5-20	14 Sep 2000	Grab (Liner)	<1	<50	<1	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.5	<0.005 to <0.05
MW5	15-15.5	14 Sep 2000	Grab (Liner)	<1	<50	<1	<0.005	<0.005	<0.005	<0.005	<0.005 to <0.5	<0.005 to <0.05

General Notes

- (a) Depths measured from the adjacent pavement or ground surface.
- (b) TPH = total petroleum hydrocarbons.
- (c) Samples were collected by Streamborn (Berkeley CA).
- (d) Except for samples collected 1 May 1998, samples were analyzed by Chromalab = STL Chromalab = STL San Francisco (Pleasanton CA). The 1 May 1998 samples were analyzed by Alpha Analytical (Ukiah CA).

Footnotes

- (1) The laboratory reported that the sample result did not match the standard.
- (2) The laboratory reported an unknown hydrocarbon in the light kerosene range quantified at 27 mg/kg.

Table 4
Groundwater Purging and Sampling Information from Monitoring Wells at 501 North Main Street
501 North Main Street
Fort Bragg CA

Location	Sample Date	Sample Type	Dissolved Oxygen (mg/L)	pH	Specific Conductance ($\mu\text{S}/\text{cm}$)	Temperature (degrees C)	ORP (mV)	Turbidity and Color	Purge Method	Purge Duration (minutes)	Volume Purged (gallons)	Purged Dry ?	Standing Water Casing Volumes Removed
MW1	14 Sep 2000	Grab (bailer)	NM	7.0	NM	18.6	-230	Opaque, brown	Submersible pump	60	3	Yes	± 3
	14 Dec 2000	Grab (bailer)	NM	8.0	870	15.1	-260	Opaque, brown	Submersible pump	25	12	Yes	± 9
	7 Mar 2001	Grab (bailer)	2.1	7.4	470	15.6	-220	Cloudy, brown	Submersible pump	7	6	No	± 3
	13 Jun 2001	Grab (bailer)	3.3	6.9	260	17.6	50	Translucent, brown	Submersible pump	9	5	Yes	± 3
MW2	14 Sep 2000	Grab (bailer)	NM	6.6	NM	18.0	-220	Cloudy, Grey	Submersible pump	100	15	No	± 10
	13 Dec 2000	Grab (bailer)	NM	7.2	870	18.1	-250	Cloudy, Grey	Submersible pump	7	10	No	± 7
	7 Mar 2001	Grab (bailer)	1.7	7.4	700	15.4	-240	Cloudy, Grey	Submersible pump	8	6	No	± 3
	13 Jun 2001	Grab (bailer)	1.5	7.1	560	16.7	-20	Clear, none	Submersible pump	6	5	No	± 3
	9 Jan 2002	Grab (bailer)	2.0	7.1	510	16.4	-170	Clear, none	Submersible pump	10	7	No	± 3
	23 Feb 2003	Grab (bailer)	1.9	7.6	660	16.4	-50	Translucent, brown	Submersible pump	10	6	No	± 3
	26 Aug 2003	Grab (bailer)	1.9	6.7	620	19.5	-50	Clear, none	Submersible pump	10	5	No	± 3
	16 Mar 2004	Grab (bailer)	1.5	7.4	430	17.0	-30	Clear, none	Submersible pump	10	6	No	± 3
	13 Aug 2004	Grab (bailer)	1.4	6.5	510	18.5	-40	Turbid, brown	Submersible pump	5	5	No	± 3
	11 Apr 2005	Grab (bailer)	1.2	6.8	510	16.8	-40	Clear, none	Submersible pump	8	12	No	± 6
MW3	14 Sep 2000	Grab (bailer)	NM	7.0	NM	17.2	-180	Cloudy, brown	Submersible pump	17	15	No	± 12
	13 Dec 2000	Grab (bailer)	NM	6.8	230	14.8	-180	Opaque, brown	Submersible pump	5	5	No	± 5
	7 Mar 2001	Grab (bailer)	6.5	6.6	160	13.9	-170	Cloudy, brown	Submersible pump	6	6	No	± 3
	13 Jun 2001	Grab (bailer)	7.4	6.5	170	15.6	80	Cloudy, brown	Submersible pump	17	10	No	± 7
MW4	14 Sep 2000	Grab (bailer)	NM	6.8	NM	17.1	-240	Translucent, brown	Submersible pump	35	15	No	± 12
	13 Dec 2000	Grab (bailer)	NM	7.2	510	15.1	-270	Clear, none	Submersible pump	7	5	No	± 4
	7 Mar 2001	Grab (bailer)	2.2	7.0	570	14.0	-220	Clear, none	Submersible pump	7	6	No	± 3
	13 Jun 2001	Grab (bailer)	1.7	6.7	710	19.5	-30	Clear, none	Submersible pump	6	5	No	± 3
	9 Jan 2002	Grab (bailer)	1.9	7.0	520	16.2	-50	Clear, none	Submersible pump	10	6	No	± 3
	23 Feb 2003	Grab (bailer)	1.1	7.0	510	16.3	-160	Clear, none	Submersible pump	10	6	No	± 3
	26 Aug 2003	Grab (bailer)	1.4	6.4	590	18.6	80	Turbid, white	Submersible pump	15	4	No	± 3
	16 Mar 2004	Grab (bailer)	1.3	6.9	670	17.0	90	Clear, none	Submersible pump	10	6	No	± 3
	13 Aug 2004	Grab (bailer)	1.8	6.5	320	18.0	90	Cloudy, brown	Submersible pump	5	4	No	± 3
	11 Apr 2005	Grab (bailer)	1.4	6.5	500	16.5	170	Clear, none	Submersible pump	7	12	No	± 7
MW5	14 Sep 2000	Grab (bailer)	1.0	6.5	NM	16.4	-160	Turbid, brown	Submersible pump	15	15	No	± 13
	13 Dec 2000	Grab (bailer)	NM	6.4	160	17.3	-170	Cloudy, brown	Submersible pump	10	10	No	± 9
	7 Mar 2001	Grab (bailer)	6.2	6.5	180	14.6	-160	Cloudy, brown	Submersible pump	7	5	No	± 3
	13 Jun 2001	Grab (bailer)	6.2	6.4	200	17.4	0	Cloudy, brown	Submersible pump	8	4	No	± 3
	9 Jan 2002	Grab (bailer)	6.5	6.3	190	15.8	-60	Turbid, brown	Submersible pump	10	6	No	± 3

General Notes

- (a) Purging and sampling performed by Streamborn (Berkeley CA).
- (b) ORP = oxidation/reduction potential.
- (c) NM = not measured.
- (d) Entries in this table correspond to end of purging (time of sampling).

Table 5 (Page 1 of 2)

Groundwater Analytical Results from Monitoring Wells at 501 North Main Street

501 North Main Street
Fort Bragg CA

Location	Sample Date	Sample Type	TPH-Motor Oil (µg/L)	TPH-Diesel (µg/L)	TPH-Kerosene (µg/L)	TPH-Stoddard Solvent (µg/L)	TPH-Hydraulic Oil (µg/L)	TPH-Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Volatile Organic Compounds (EPA Method 8260) (µg/L)	Fuel Oxygenates (EPA Method 8260) (µg/L)
MW1	14 Sep 2000	Grab	<710	93 ⁽¹⁾	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 to <50	<5 to <10
	14 Dec 2000	Grab	<580	<50	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<0.5	Chloroform = 1.3 Others <0.5 to <50	<5 to <10
	7 Mar 2001	Grab	<500	<50	NM	NM	63	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 to <50	<5 to <10
	13 Jun 2001	Grab	<500	<50	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 to <50	<5 to <10
MW2	14 Sep 2000	Grab	<500	1,400 ⁽¹⁾	NM	NM	NM	2,000	<0.5	<0.5	18	33	<2.0 to <200	<5 to <10
	13 Dec 2000	Grab	<500	210 ⁽¹⁾	NM	NM	NM	800 ⁽¹⁾	2.0	<0.5	<0.5	<0.5	<2.5 to <250	<5 to <10
	7 Mar 2001	Grab	<500	160 ⁽¹⁾	NM	NM	NM	1,300 ⁽¹⁾	<2.5	<2.5	<2.5	<2.5	Isopropyl benzene = 0.81 Others <0.5 to <50	<5 to <10
	13 Jun 2001	Grab	<500	240 ⁽¹⁾	NM	NM	NM	660 ⁽¹⁾	<0.5	<0.5	<0.5	<0.5	<0.5 to <50	<5 to <10
	9 Jan 2002	Grab	NM	160 ⁽¹⁾	NM	NM	NM	820 ⁽¹⁾	<0.5	<0.5	<0.5	<0.5	NM	<25 to <50
	23 Feb 2003	Grab	<500	170 ⁽¹⁾	<50	<50	<500	1,300 ⁽¹⁾	<0.5	<0.5	<0.5	<1.0	NM	<0.5 to <25
	26 Aug 2003	Grab	<500	<50	<50	190 ⁽¹⁾	<500	1,300 ⁽¹⁾	<2.5	<2.5	<2.5	<5.0	NM	<2.5 to <25
	16 Mar 2004	Grab	<500	<50	120 ⁽¹⁾	<50	NM	900 ⁽¹⁾	<0.5	<0.5	<0.5	<1.0	NM	<0.5 to <5
	13 Aug 2004	Grab	<500	190 ⁽¹⁾	<50	<50	<500	2,100 ⁽¹⁾	<0.5	<0.5	<0.5	<1.0	NM	<0.5 to <5
	11 Apr 2005	Grab	<250	150	310	190	NM	800	<0.5	<0.5	0.9 <0.5	<0.5	Carbon Disulfide = 4.8 sec-Butyl benzene = 1.2 Naphthalene = 0.85 Others <0.5 to <10	<0.5 to 10
MW3	14 Sep 2000	Grab	<500	<50	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	Carbon Disulfide = 3.0 Chloroform = 1.5 Others <0.5 to <50	<5 to <10
	13 Dec 2000	Grab	<500	<50	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	Chloroform = 0.88 Others <0.5 to <50	<5 to <10
	7 Mar 2001	Grab	<500	<50	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	Chloroform = 0.86 Others <0.5 to <50	<5 to <10
	13 Jun 2001	Grab	<500	<50	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<0.5 to <50	<5 to <10

Table 5 (Page 2 of 2)

Groundwater Analytical Results from Monitoring Wells at 501 North Main Street

501 North Main Street
Fort Bragg CA

Location	Sample Date	Sample Type	TPH-Motor Oil (µg/L)	TPH-Diesel (µg/L)	TPH-Kerosene (µg/L)	TPH-Stoddard Solvent (µg/L)	TPH-Hydraulic Oil (µg/L)	TPH-Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Volatile Organic Compounds (EPA Method 8260) (µg/L)	Fuel Oxygenates (EPA Method 8260) (µg/L)
MW4	14 Sep 2000	Grab	<500	540 ⁽¹⁾	NM	NM	1,700	<0.5	<0.5	<0.5	11	<2.0 to <200	<5 to <10	
	13 Dec 2000	Grab	<500	120 ⁽¹⁾	NM	NM	240	<0.5	2.0	1.2	4.1	<0.5 to <50	<5 to <10	
	7 Mar 2001	Grab	<500	51 ⁽¹⁾	NM	NM	210 ⁽¹⁾	<0.5	<0.5	<0.5	<0.5	<0.5 to <50	<5 to <10	
	13 Jun 2001	Grab	<500	50 ⁽¹⁾	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<0.5 to <50	<5 to <10	
	9 Jan 2002	Grab	NM	<50	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NM	<5 to <10	
	23 Feb 2003	Grab	<500	<50	<50	<50	<500	<50	<0.5	<0.5	<1.0	NM	<0.5 to <25	
	26 Aug 2003	Grab	<500	<50	<50	<50	<500	57 ⁽¹⁾	<0.5	<0.5	<1.0	NM	<0.5 to <5	
	16 Mar 2004	Grab	<500	<50	<50	<50	NM	<50	<0.5	<0.5	<1.0	NM	<0.5 to <5	
	13 Aug 2004	Grab	<500	160 ⁽¹⁾	<50	<50	<500	1,100 ⁽¹⁾	<0.5	<0.5	0.95	<1.0	NM	<0.5 to <5
	11 Apr 2005	Grab	<250	<50	50 ⁽¹⁾	<50	NM	<50	<0.5	<0.5	<0.5	<0.5	Carbon Disulfide = 3.1 Others <0.5 to <10	<0.5 to 10
MW5	14 Sep 2000	Grab	<500	<50	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<0.5	Chloroform = 1.3 Others <0.5 to <50	<5 to <10
	13 Dec 2000	Grab	<500	<50	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<0.5	Chloroform = 0.85 Others <0.5 to <50	<5 to <10
	7 Mar 2001	Grab	<500	<50	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<0.5	Chloroform = 1.4 Others <0.5 to <50	<5 to <10
	13 Jun 2001	Grab	<500	<50	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 to <50	<5 to <10
	9 Jan 2002	Grab	NM	<50	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NM	<5 to <10

General Notes

- (a) TPH = total petroleum hydrocarbons. NM = not measured.
- (b) Samples were collected by Streamborn (Berkeley CA).
- (c) Except for samples collected 11 April 2005, samples were analyzed by Chromalab = STL Chromalab = STL San Francisco (Pleasanton CA). The 11 April 2005 samples were analyzed by McCampbell Analytical (Pacheco CA).
- (d) If two concentrations are cited for a single sample, the concentrations were determined by EPA Method 8015/8021 for TPH-Gasoline/BTEX (first entry) and EPA Method 8260B for Volatile Organic Compounds (second entry).

Footnote

- (1) The laboratory reported that the sample result did not match the standard.

Table 6
Soil Analytical Data from Borings and Monitoring Wells at 500 North Main Street
501 North Main Street
Fort Bragg CA

Location	Sample Depth (feet)	Sample Date	TPH-Diesel (mg/kg)	TPH-Gasoline (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Fuel Oxygenates (EPA Method 8260) (mg/kg)
500-B-1	10	17 Nov 2000	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25
500-B-2	10	17 Nov 2000	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25
500-B-3	10	17 Nov 2000	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25
	15	17 Nov 2000	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25
500-B-4	10	17 Nov 2000	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25
500-B-5	11	2 Jul 2002	<1	<1	<0.005	<0.005	<0.005	<0.005	<1 to <5
500-B-6	11	2 Jul 2002	<1	<1	<0.005	<0.005	<0.005	<0.005	<1 to <5
500-MW-1	11	1 Jul 2002	<1	<1	<0.005	<0.005	<0.005	<0.005	<1 to <5
500-MW-2	11	1 Jul 2002	<1	<1	<0.005	<0.005	<0.005	<0.005	<1 to <5
500-MW-3	11	1 Jul 2002	<1	<1	<0.005	<0.005	<0.005	<0.005	<1 to <5
500-MW-4	10	12 Apr 2005	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25
	15	12 Apr 2005	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25
500-MW-5	5	12 Apr 2005	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25
	10	12 Apr 2005	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25
	15	12 Apr 2005	68 ⁽²⁾	230 ⁽¹⁾	<0.1	<0.1	0.14	0.34	<100 to <500
500-MW-6	5	12 Apr 2005	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25
	10	12 Apr 2005	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25
	15	12 Apr 2005	<1	<1	<0.005	<0.005	<0.005	<0.005	<5 to <25

General Notes

- (a) Depths measured from the adjacent pavement or ground surface.
- (b) TPH = total petroleum hydrocarbons.
- (c) Samples collected by The McEdwards Group (Willits CA).
- (d) Samples analyzed by McCampbell Analytical (Pacheco CA).
- (e) Selected samples were also analyzed for volatile organic compounds (EPA Method 8260) with the results nondetect.

Footnotes

- (1) The laboratory reported that the sample result did not match the standard.
- (2) The laboratory characterized the hydrocarbon as stoddard solvent/mineral spirit.

Table 7
Groundwater Analytical Results from Borings and Monitoring Wells at 500 North Main Street
501 North Main Street
Fort Bragg CA

Location	Sample Date	Sample Type	TPH-Diesel (µg/L)	TPH-Stoddard Solvent (µg/L)	TPH-Gasoline (µg/L)	TPH-Kerosene (µg/L)	TPH-Motor Oil (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Fuel Oxygenates (EPA Method 8260) (µg/L)
500-B-2	17 Nov 2000	Grab from boring	51 ⁽¹⁾	NM	<50	NM	NM	0.55	0.78	<0.5	<0.5	<1 to <5
500-B-3	17 Nov 2000	Grab from boring	61 ⁽¹⁾	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<1 to <5
500-B-4	17 Nov 2000	Grab from boring	620 ⁽¹⁾	NM	760 ⁽¹⁾	NM	NM	<0.5	<0.5	3.2	3.5	<1 to <5
500-B-5	2 Jul 2002	Grab from boring	NM	310,000 ⁽¹⁾	110,000 ⁽¹⁾	NM	NM	<5	46	370	420	<0.5 to <5
500-B-6	2 Jul 2002	Grab from boring	NM	24,000 ⁽¹⁾	8,900 ⁽¹⁾	NM	NM	<10	<10	12	24	<0.5 to <5
500-MW-1	3 Jul 2002	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	6 Sep 2002	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	17 Dec 2002	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	12 Mar 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	4 Jun 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	2 Sep 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	5 Dec 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	7 Mar 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	1 Jun 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	5 Sep 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	7 Sep 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	11 Apr 2005	Grab from well	<50	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
500-MW-2	3 Jul 2002	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	6 Sep 2002	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	17 Dec 2002	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	12 Mar 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	4 Jun 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	2 Sep 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	5 Dec 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	7 Mar 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	1 Jun 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	5 Sep 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	7 Sep 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	11 Apr 2005	Grab from well	<50	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
500-MW-3	3 Jul 2002	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	6 Sep 2002	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	17 Dec 2002	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	12 Mar 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	4 Jun 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	2 Sep 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	5 Dec 2003	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	7 Mar 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	1 Jun 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	5 Sep 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	7 Sep 2004	Grab from well	<50	NM	<50	NM	NM	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
	11 Apr 2005	Grab from well	<50	<50	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
500-MW-4	11 Apr 2005	Grab from well	<50	<50	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5 to <5
500-MW-5	11 Apr 2005	Grab from well	<50	280	960	510	<250	<0.5	<0.5	0.97 <0.5	6.6 <1	<0.5 to <5
500-MW-6	11 Apr 2005	Grab from well	<50	<50	<50	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5 to <5

General Notes

- (a) TPH = total petroleum hydrocarbons. NM = not measured.
- (b) Samples were collected by The McEdwards Group (Willits CA).
- (c) Samples were analyzed by McCampbell Analytical (Pacheco CA).
- (d) Selected samples were also analyzed for volatile organic compounds (EPA Method 8260), with occasional compounds detected.
- (e) If two concentrations are cited for a single sample, the concentrations were determined by EPA Method 8015/8021 for TPH-Gasoline/BTEX (first entry) and EPA Method 8260B for Volatile Organic Compounds (second entry).

Footnote

- (1) The laboratory reported that the sample result did not match the standard.

Table 8
Bibliography

**501 North Main Street
Fort Bragg CA**

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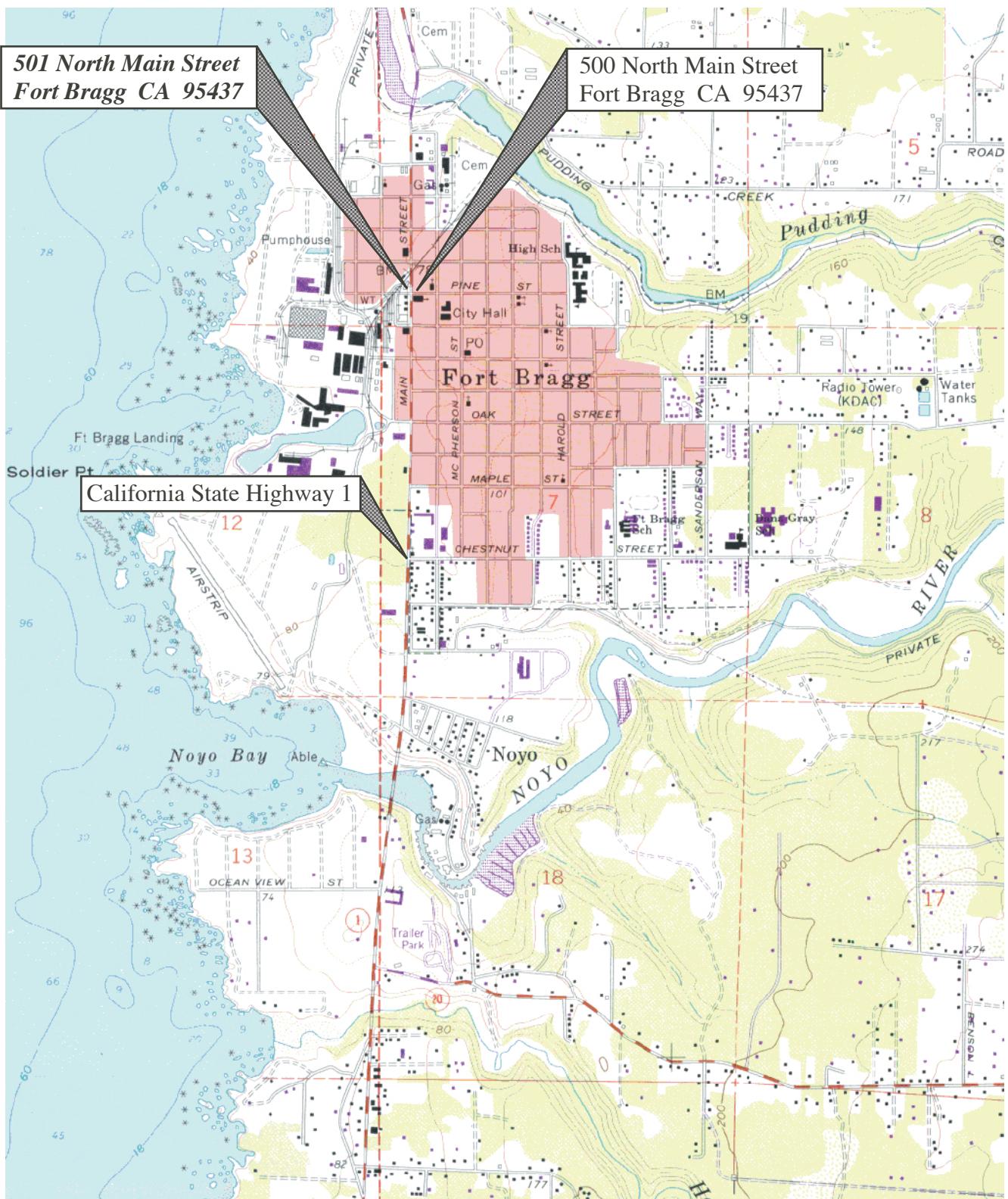
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0 0.5 1.0

Approximate Scale in Miles

0 2,000 4,000

Approximate Scale in Feet



Basemap: U.S. Geological Survey, 7.5 Minute Quadrangle, Fort Bragg CA. 1960 (Photorevised 1978)

Figure 1
Location Map
501 North Main Street
Fort Bragg CA

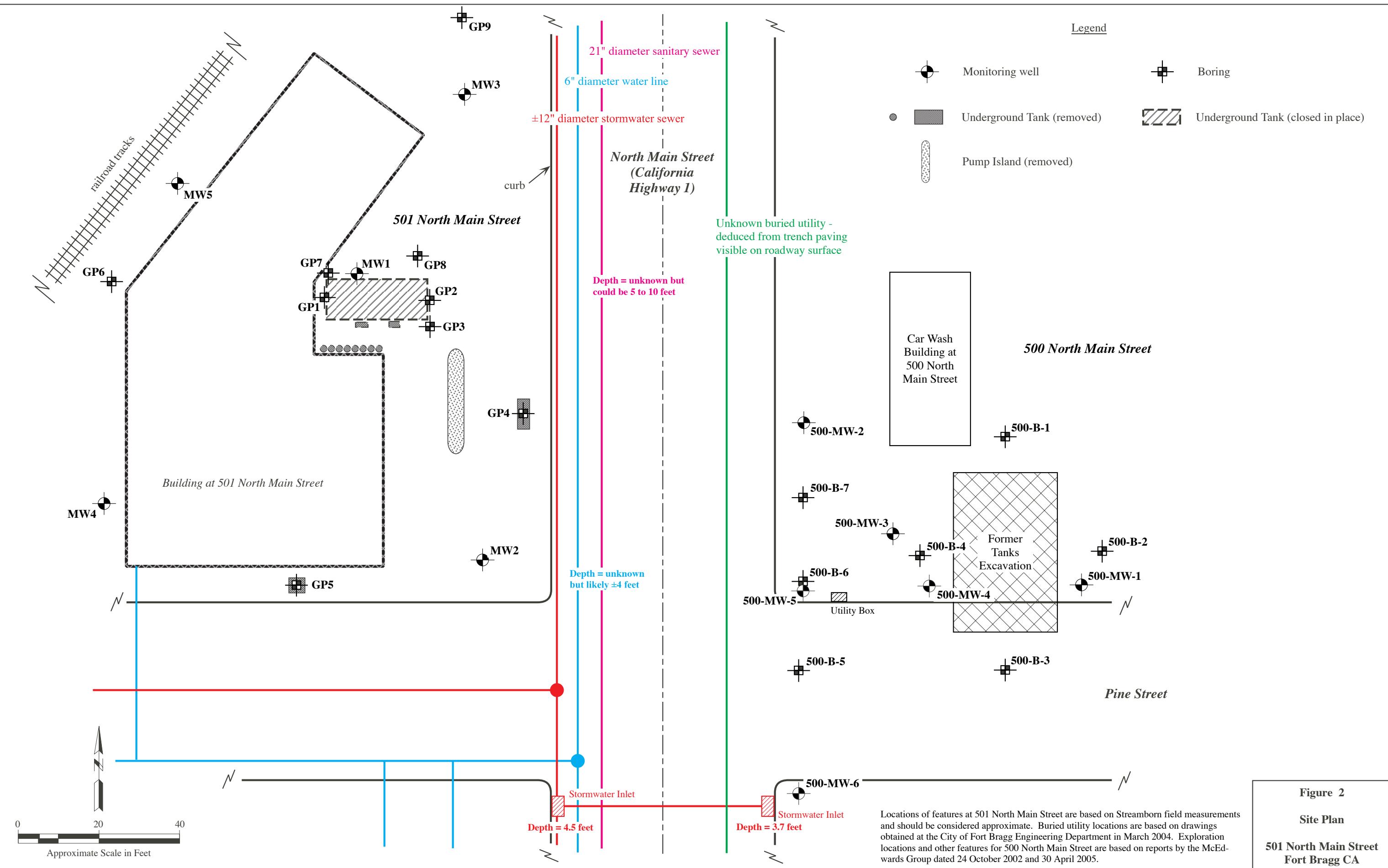
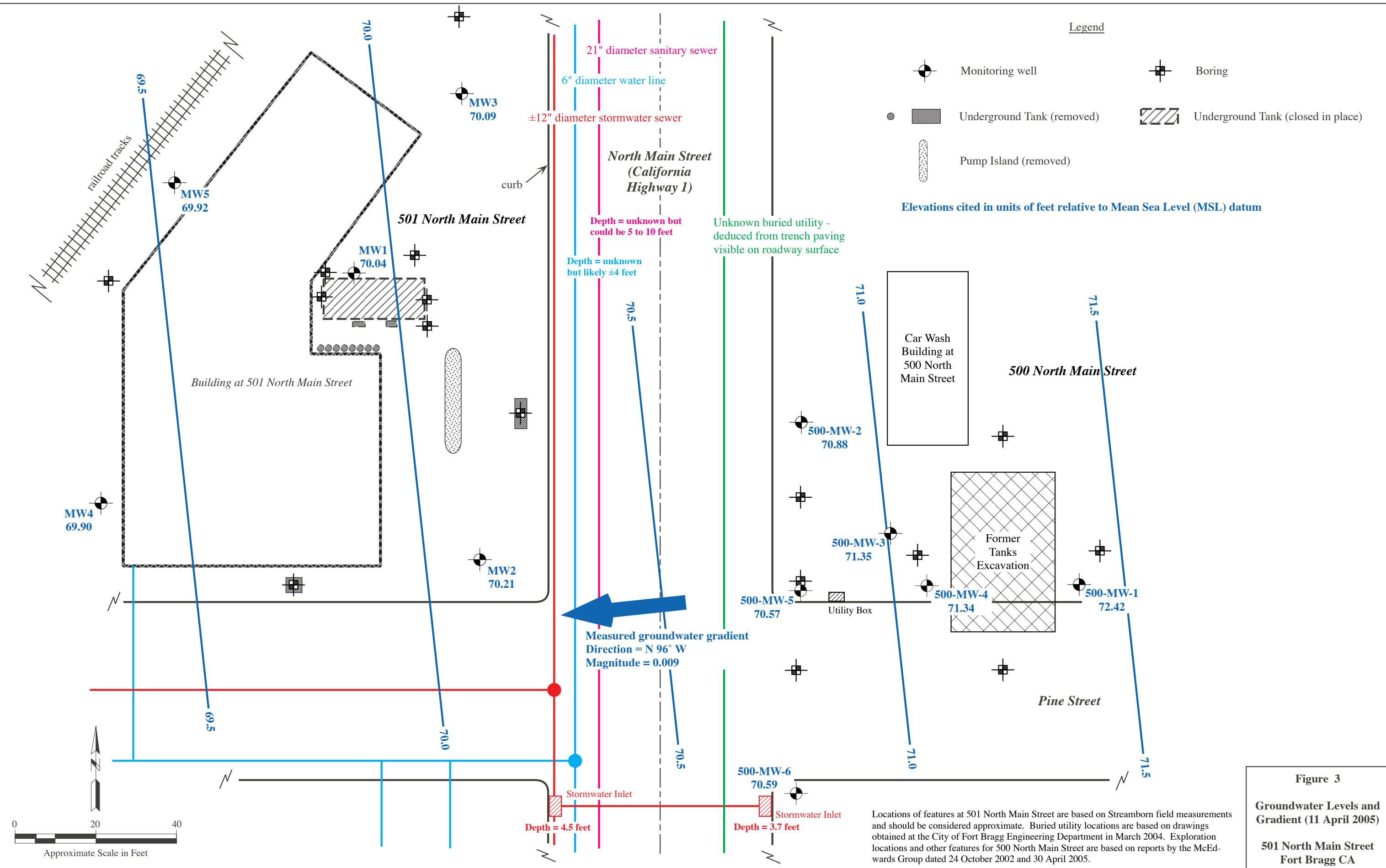
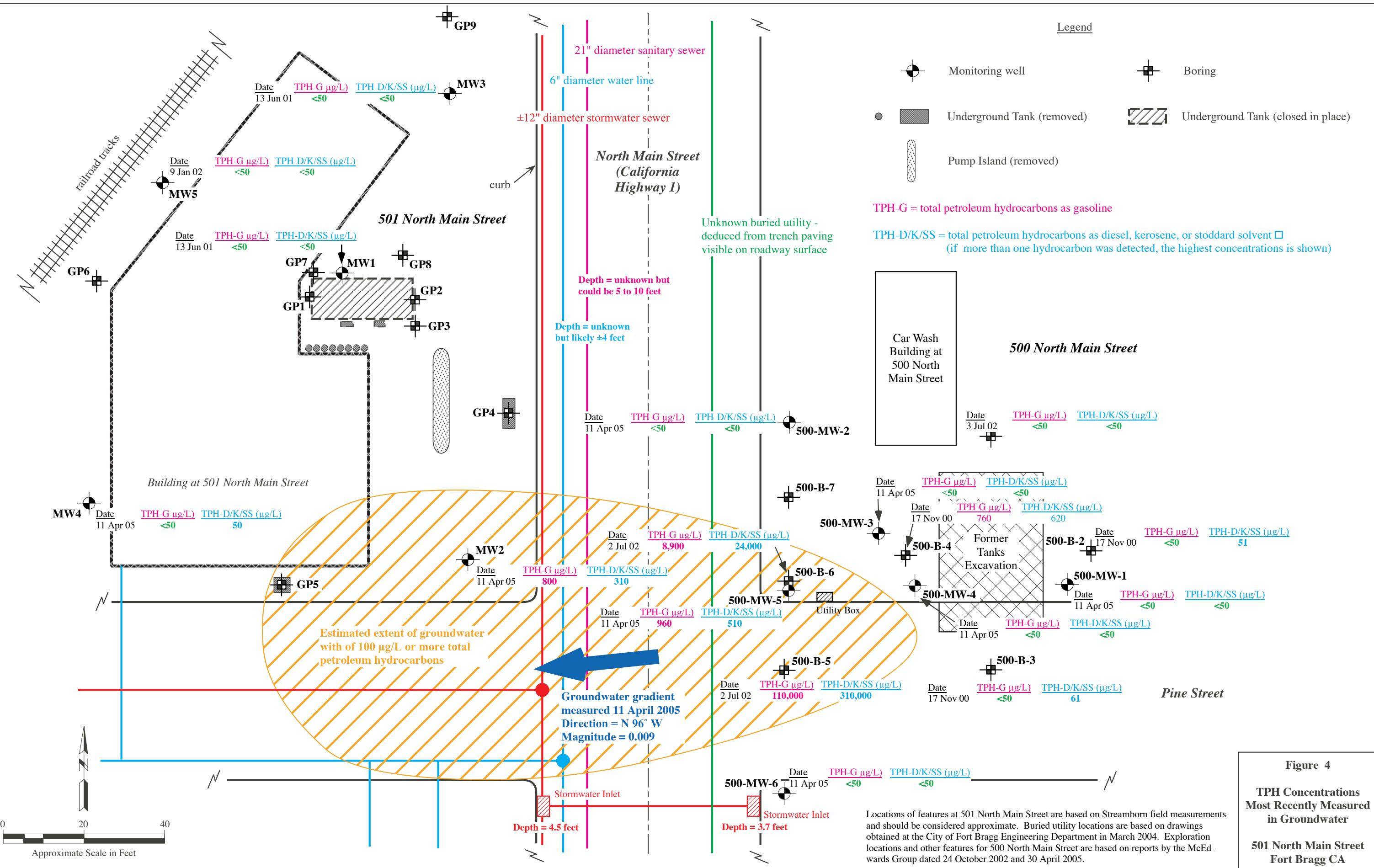
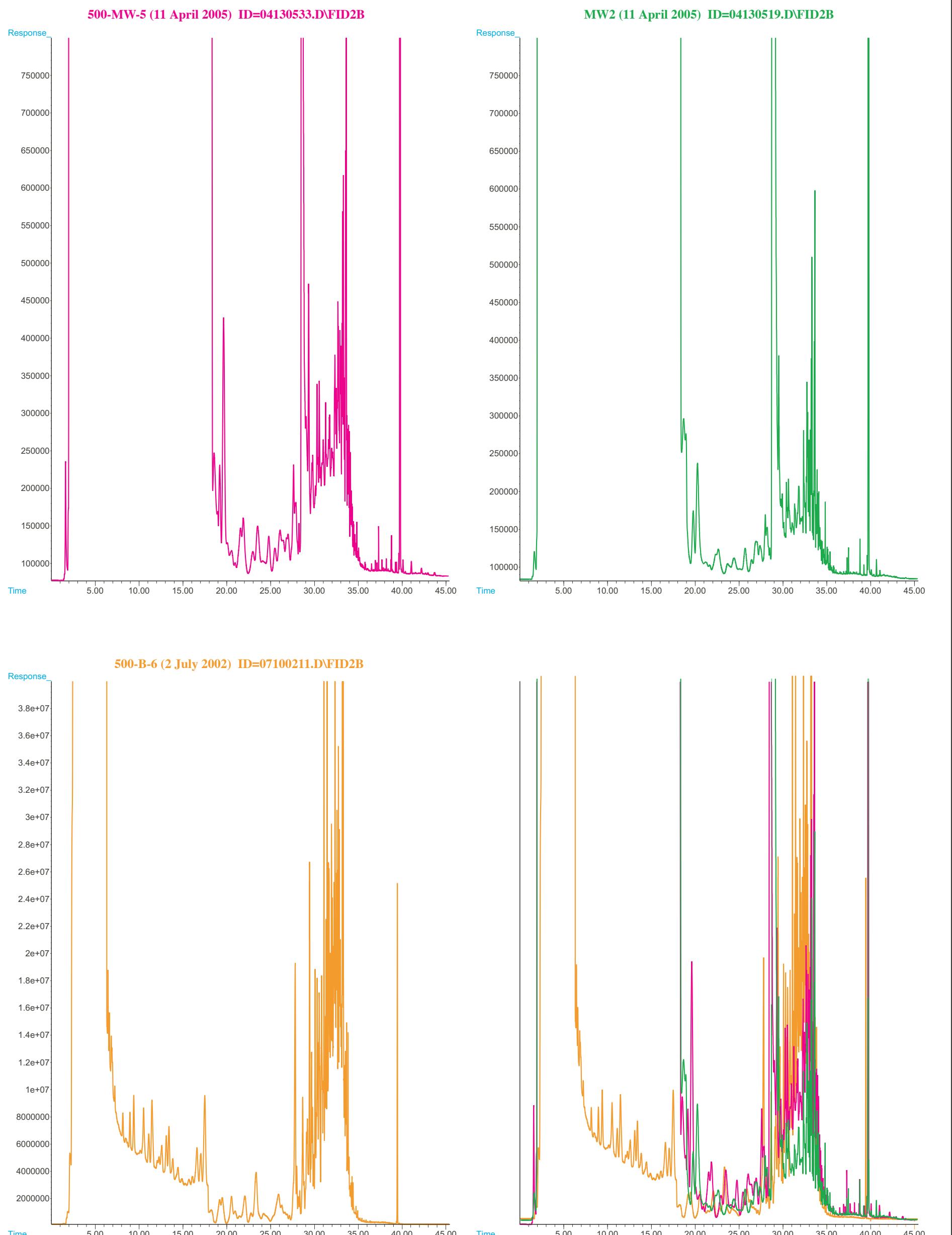


Figure 2
Site Plan
**501 North Main Street
Fort Bragg CA**





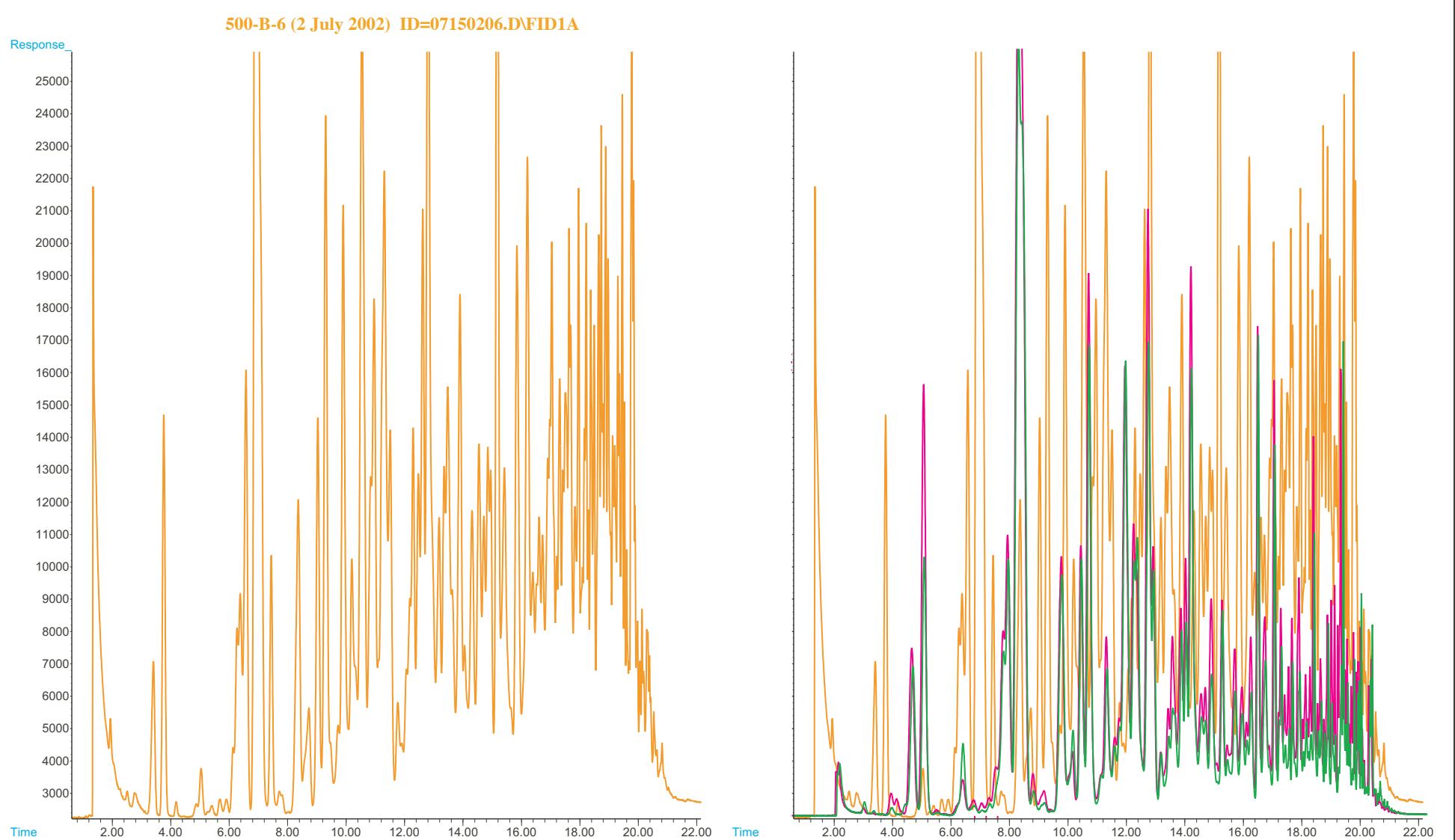
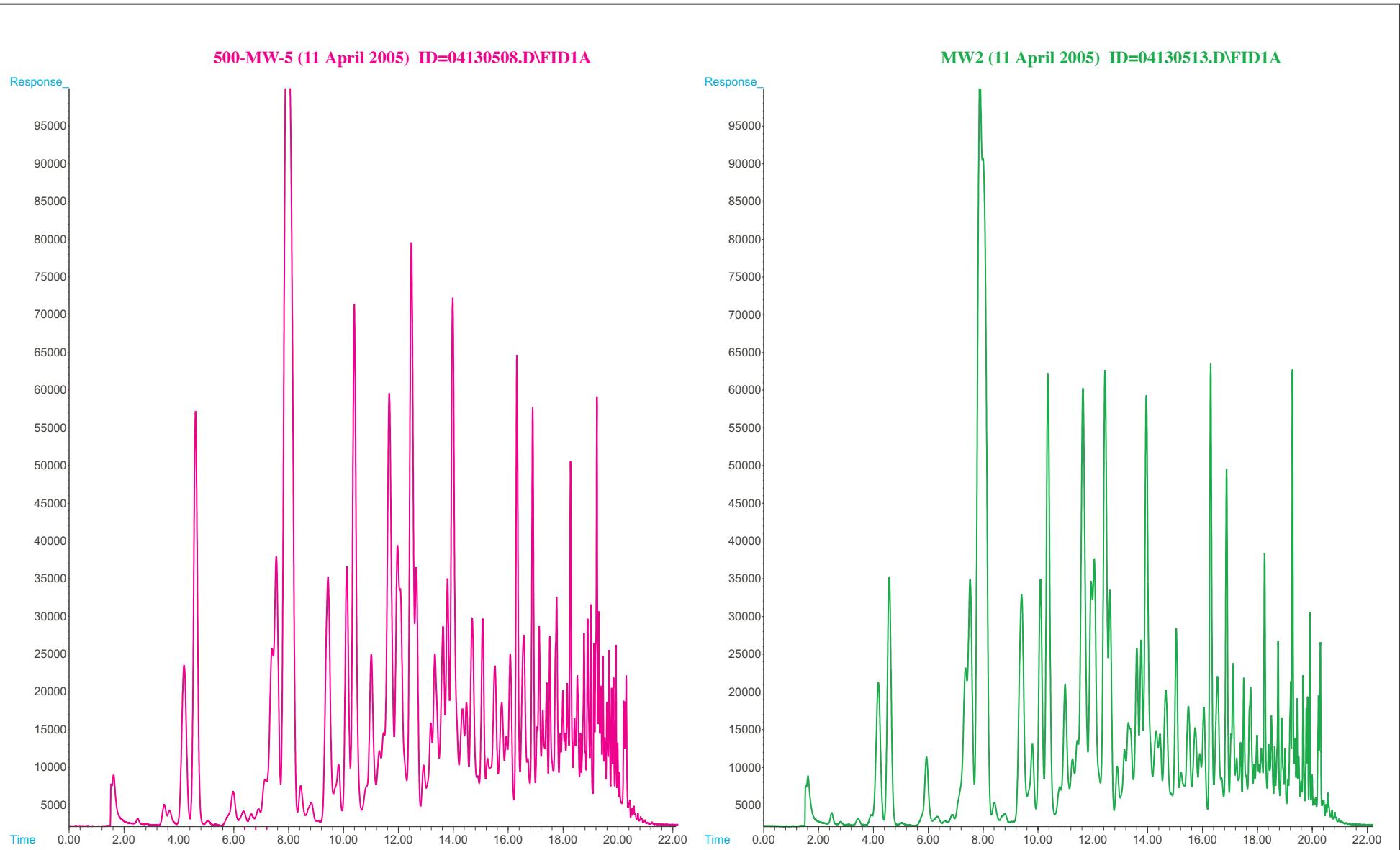


The three samples shown on this figure were analyzed by McCampbell Analytical (Pacheco CA) using the same laboratory instruments. Samples 500-MW-5 (11 April 2005) and MW2 (11 April 2005) were part of the same sample train, facilitating a very accurate comparison. Sample 500-B-6 (2 July 2002) was analyzed on a different date and at a different dilution, facilitating a less accurate comparison.

The chromatograms for 500-MW-5 (11 April 2005) and MW2 (11 April 2005) are nearly identical with respect to the magnitude and retention time of the significant peaks. All three chromatogram are comparable, which indicates a similar or identical hydrocarbon mixture, eluting within a retention time that McCampbell Analytical indicates is typical of stoddard solvent.

Figure 5
Chromatograms for Middle Distillate Petroleum Hydrocarbons (Diesel, Kerosene, Stoddard Solvent)

501 North Main Street
 Fort Bragg CA



The three samples shown on this figure were analyzed by McCampbell Analytical (Pacheco CA) using the same laboratory instruments. Samples 500-MW-5 (11 April 2005) and MW2 (11 April 2005) were part of the same sample train, facilitating a very accurate comparison. Sample 500-B-6 (2 July 2002) was analyzed on a different date and at a different dilution, facilitating a less accurate comparison.

The chromatograms for 500-MW-5 (11 April 2005) and MW2 (11 April 2005) are nearly identical with respect to the magnitude and retention time of the significant peaks. McCampbell Analytical identified a retention time shift for sample 500-B-6 (2 July 2002) that is attributable to instrument maintenance between 2002 and 2005. All three chromatograms are comparable, which indicates a similar or identical hydrocarbon mixture.

Figure 6
Chromatograms for Light Distillate
Petroleum Hydrocarbons (Gasoline)
501 North Main Street
Fort Bragg CA

ATTACHMENT 1

Groundwater Sampling Forms

MONITORING WELL PURGE DATA

Project Name/Number:	501 North Main Street / P219 TO8			Logged By:	Michael D. Chendorain	
Property Location:	501 North Main Street, Fort Bragg CA			Date:	11 April 2005	
Well Number:	MW2			Sample Type:	Grab	
Purging Equipment:	Submersible Pump			Depth to Water:	11.14	
Sampling Equipment:	Bailer with bottom-emptying device			Total Depth:	23.22	
Measuring Point:	Top of casing, north side			Odor:	PETROLEUM ODOR	
Free Product:	NONE			Sample Number:	501-MW2 (11 Apr 05)	
Comments:	None					

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	Depth to Water (feet)	0.04 gallons/foot for 1-inch well			Single Casing Volume (gallons)	Three Casing Volumes (gallons)	Comments
		-	x	=			
23.22	-	11.14	x	0.16	=	1.93	x 3 = 5.80

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity ($\mu\text{S}/\text{cm}$)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	1249	1.50	7.34	890	16.3	-24.3	Cloudy	GRAY	NO	Start purge
3	1251	1.33	7.04	626	15.9	-35.7	Cloudy	GRAY	NO	
6	1254	1.19	6.86	560	16.8	-40.6	CLEAR	NONE	NO	
9	1256	1.17	6.82	529	16.8	-43.9	CLEAR	NONE	NO	
12	1257	1.20	6.81	508	16.8	-37.8	CLEAR	NONE	NO	
										Collect sample (1 : 54)

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, turbid, cloudy, translucent, or opaque.

MONITORING WELL PURGE DATA

Project Name/Number:	501 North Main Street / P219 TO8		Logged By:	Michael D. Chendorain	
Property Location:	501 North Main Street, Fort Bragg CA		Date:	11 April 2005	
Well Number:	MW4		Sample Type:	Grab	
Purging Equipment:	Submersible pump		Depth to Water:	11.17	
Sampling Equipment:	Bailer with bottom-emptying device		Total Depth:	22.34	
Measuring Point:	Top of casing, north side		Odor:	Slight Petroleum odor	
Free Product:	None		Sample Number:	501-MW4 (11 Apr 05)	
Comments:	None				

Note obstructions, well damage, or other compromising features under comments. Record depth in feet.

Total Depth (feet)	Depth to Water (feet)	0.04 gallons/foot for 1-inch well			Single Casing Volume (gallons)	Three Casing Volumes (gallons)	Comments
		x	0.16 gallons/foot for 2-inch well	=			
22.34	-	11.17	x	0.16	=	1.79	x 3 = 5.36

Purge Volume (gallons)	Time	Dissolved Oxygen (mg/L)	pH	Specific Conductivity ($\mu\text{S}/\text{cm}$)	Temp (°C)	ORP (mV)	Turbidity	Color	Purged Dry?	Comments
0	12:32	1.35	6.49	577	16.9	170.6	CLEAR	NONE	NO	Start purge
3	12:33	1.23	6.52	539	16.9	165.0	CLEAR	NONE	NO	
6	12:36	1.49	6.52	514	16.6	198.2	CLEAR	NONE	NO	
9	12:37	1.41	6.50	506	16.4	153.3	CLEAR	NONE	NO	
12	12:39	1.44	6.48	502	16.5	168.4	CLEAR	NONE	NO	
										Collect sample (1:40)

Note observations of odor, sheen, and other signs of contamination under comments. Record turbidity as clear, turbid, translucent, or opaque.

Well Purging and Sampling Record

The McEdwards Group, 1025 Hearst-Willits Road, Willits, CA 95490.

Tel: 707/459-1086 Fax: 707/459-1084

Field work done by Donald G. McEdwards

Site Name 500 North Main

Five casing volumes (5CV) = water column (WC) in ft * 0.816 (5/6) gal/ft for 2" well [3.26 (10/3) gal/ft for 4" well]

Project No. 1061f, 01, 02 Date 11 APR 05

No Odor MW 1 Depth^a 20 WL^b 9.66 WC^{a+b} 1.65 5CV 8.43

Gal	pH	Cond	Turb	ORP	DO	Temp
11:05 0	6.43	195.6	221.6	2.88	16.6	c/B
11:08 2	6.26	190.8	202.8	8.69	16.6	c/B
11:09 4	6.30	192.1	210.2	8.04	16.5	c/B
11:10 6	6.26	167.9	198.2	8.68	16.6	c/B
11:11 8	6.29	168.3	233.5	8.50	16.5	T/B
11:13 12	6.39	165.2	234.5	8.76	16.5	T/B
11:18 20	6.33	164.2	244.5	7.51	16.5	T/B

Purged Gallons: 20 Time Sampled _____

No Odor MW 3 Depth^a 20 WL^b 10.44 WC^{a+b} 1.53 5CV 7.65

Gal	pH	Cond	Turb	ORP	DO	Temp
0	NM	NM	NM	NM	NM	NM
11:24 3	6.62	195.4	239.3	6.82	16.5	T/B
11:26 6	6.56	183.7	239.2	6.33	16.8	T/B
11:29 9	6.41	184.2	252.0	6.28	16.9	c/B

Purged Gallons: 9 Time Sampled _____

No Odor MW 2 Depth^a 20 WL^b 10.86 WC^{a+b} 1.46 5CV 7.31

Gal	pH	Cond	Turb	ORP	DO	Temp
11:34 3	6.52	168.8	271.5	8.51	16.1	c/B
11:38 6	6.39	166.9	280.7	8.39	15.9	c/B
11:39 9	6.40	166.6	274.9	8.46	15.8	T/B
11:41 12	6.39	165.7	273.0	8.43	15.9	T/B

Purged Gallons: 12 Time Sampled _____

No Odor MW 4 Depth^a 20 WL^b 10.51 WC^{a+b} 1.52 5CV 7.59

Gal	pH	Cond	Turb	ORP	DO	Temp
11:46 3	6.43	204	253.3	7.63	16.4	c/B
11:48 6	6.52	224	247.4	6.71	16.7	T/B
11:50 9	6.55	224.2	238	6.46	16.8	c/B
11:52 12	6.55	243	253.1	6.09	16.8	c/B

Purged Gallons: 12 Time Sampled _____

No Odor

MW 6 Depth^a 20 WL^b 11.145 WC^{a+b} 1.37 5CV 6.84 No Odor

Gal	pH	Cond	Turb	ORP	DO	Temp
11:53	5.95	244	250.1	7.19	16.9	c/B
6	5.96	243	242.2	7.16	16.6	Tu/B
9	5.92	246	278.6	6.92	16.8	c/B
12	5.91	247	279.3	6.81	16.9	c/B

Purged Gallons: 12 Time Sampled _____

MW 5 Depth^a 20 WL^b 11.07 WC^{a+b} 1.43 5CV 7.14 Petroleum Odor

Gal	pH	Cond	Turb	ORP	DO	Temp
3	6.35	240	253.2	3.67	17.1	O/B
6	6.21	250	256.4	4.37	16.9	c/B
9	6.16	NM	274.3	4.68	17.0	c/B
12	6.14	247	272.9	4.77	16.8	Tu/B

Purged Gallons: _____ Time Sampled _____

MW Depth^a _____ WL^b _____ WC^{a+b} _____ 5CV _____

Gal	pH	Cond	Turb	DO	Temp

Purged Gallons: _____ Time Sampled _____

MW Depth^a _____ WL^b _____ WC^{a+b} _____ 5CV _____

Gal	pH	Cond	Turb	DO	Temp

Purged Gallons: _____ Time Sampled _____

O = opaque, T = translucent, C = cloudy, Tu = Turbid
 Cl = clear B = brown

ATTACHMENT 2

Laboratory Reports and Chain-of-Custody
Forms



McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Streamborn P.O. Box 8330 Berkeley, CA 94707-8330	Client Project ID: #P219 T08; 501 North Main	Date Sampled: 04/11/05
		Date Received: 04/13/05
	Client Contact: Michael D. Chendorain	Date Reported: 04/20/05
	Client P.O.:	Date Completed: 04/29/05

WorkOrder: 0504177

April 29, 2005

Dear Michael:

Enclosed are:

- 1). the results of **2** analyzed samples from your **#P219 T08; 501 North Main project**,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

**McCampbell Analytical, Inc.**

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Streamborn P.O. Box 8330 Berkeley, CA 94707-8330	Client Project ID: #P219 T08; 501 North Main	Date Sampled: 04/11/05
	Client Contact: Michael D. Chendorain	Date Received: 04/13/05
	Client P.O.:	Date Reported: 04/20/05
		Date Completed: 04/29/05

Work Order: 0504177

April 29, 2005

RE: Chromatogram comparison between Streamborn's lab ID #0504177-002, Don McEdwards' lab ID

#0504172-005 and #0207089-007.

- 1) The patterns of TPH gas for #0504177-002A & #0504172-005A showed a good fit upon overlaying the two chromatograms. There are similarities in the lab ID #0207089-007A's, 0504177-002A's & 0504172-005A's chromatograms. Although these three samples were analyzed on the same instrument, but there is a retention time shift due to instrument maintenance from July 2002 through April 2005.
- 2) For TPH diesel, the two patterns for #0504177-002B & #0504172-005B showed some good match. The overlay chromatograms for #0207089-007B vs. #0504177-002B cannot be properly evaluated because of large concentration and dilution, but both patterns belong to the stoddard solvent range. Same explaination for #0207089-007B vs. #0504177-002B.



McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Streamborn P.O. Box 8330 Berkeley, CA 94707-8330	Client Project ID: #P219 T08; 501 North Main	Date Sampled: 04/11/05
		Date Received: 04/13/05
	Client Contact: Michael D. Chendorain	Date Extracted: 04/13/05
	Client P.O.:	Date Analyzed: 04/19/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504177

Lab ID	0504177-001C								
Client ID	501-MW4								
Matrix	Water								
Compound	Conc. *	DF	RL	MDL	Compound	Conc. *	DF	RL	MDL
Acetone	ND	1.0	5.0	5.0	Acrolein (Propenal)	ND	1.0	5.0	5.0
Acrylonitrile	ND	1.0	2.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5	0.5
Benzene	ND	1.0	0.5	0.5	Bromobenzene	ND	1.0	0.5	0.5
Bromo(chloromethane)	ND	1.0	0.5	0.5	Bromodichloromethane	ND	1.0	0.5	0.5
Bromoform	ND	1.0	0.5	0.5	Bromomethane	ND	1.0	0.5	0.5
2-Butanone (MEK)	ND	1.0	2.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0	5.0
n-Butyl benzene	ND	1.0	0.5	0.5	sec-Butyl benzene	ND	1.0	0.5	0.5
tert-Butyl benzene	ND	1.0	0.5	0.5	Carbon Disulfide	3.1	1.0	0.5	0.5
Carbon Tetrachloride	ND	1.0	0.5	0.5	Chlorobenzene	ND	1.0	0.5	0.5
Chloroethane	ND	1.0	0.5	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0	1.0
Chloroform	ND	1.0	0.5	0.5	Chloromethane	ND	1.0	0.5	0.5
2-Chlorotoluene	ND	1.0	0.5	0.5	4-Chlorotoluene	ND	1.0	0.5	0.5
Dibromo(chloromethane)	ND	1.0	0.5	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	0.5	Dibromomethane	ND	1.0	0.5	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	0.5	1,3-Dichlorobenzene	ND	1.0	0.5	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	0.5	Dichlorodifluoromethane	ND	1.0	0.5	0.5
1,1-Dichloroethane	ND	1.0	0.5	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	0.5
1,1-Dichloroethylene	ND	1.0	0.5	0.5	cis-1,2-Dichloroethylene	ND	1.0	0.5	0.5
trans-1,2-Dichloroethylene	ND	1.0	0.5	0.5	1,2-Dichloropropane	ND	1.0	0.5	0.5
1,3-Dichloropropane	ND	1.0	0.5	0.5	2,2-Dichloropropane	ND	1.0	0.5	0.5
1,1-Dichloropropene	ND	1.0	0.5	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5	0.5
Ethylbenzene	ND	1.0	0.5	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	0.5
Freon 113	ND	1.0	10	10	Hexachlorobutadiene	ND	1.0	0.5	0.5
Hexachloroethane	ND	1.0	0.5	0.5	2-Hexanone	ND	1.0	0.5	0.5
Isopropylbenzene	ND	1.0	0.5	0.5	4-Isopropyl toluene	ND	1.0	0.5	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	0.5	Methylene chloride	ND	1.0	0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	0.5	Naphthalene	ND	1.0	0.5	0.5
Nitrobenzene	ND	1.0	10	10	n-Propyl benzene	ND	1.0	0.5	0.5
Styrene	ND	1.0	0.5	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	0.5	Tetrachloroethene	ND	1.0	0.5	0.5
Toluene	ND	1.0	0.5	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	0.5	1,1,1-Trichloroethane	ND	1.0	0.5	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	0.5	Trichloroethene	ND	1.0	0.5	0.5
Trichlorofluoromethane	ND	1.0	0.5	0.5	1,2,3-Trichloropropane	ND	1.0	0.5	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5	0.5
Vinyl Chloride	ND	1.0	0.5	0.5	Xylenes	ND	1.0	0.5	0.5

Surrogate Recoveries (%)

%SS1:	101	%SS2:	96
%SS3:	110		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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Streamborn P.O. Box 8330 Berkeley, CA 94707-8330	Client Project ID: #P219 T08; 501 North Main	Date Sampled: 04/11/05
		Date Received: 04/13/05
	Client Contact: Michael D. Chendorain	Date Extracted: 04/13/05
	Client P.O.:	Date Analyzed: 04/19/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504177

Lab ID	0504177-002C							
Client ID	501-MW2							
Matrix	Water							

Compound	Conc. *	DF	RL	MDL	Compound	Conc. *	DF	RL	MDL
Acetone	ND	1.0	5.0	5.0	Acrolein (Propenal)	ND	1.0	5.0	5.0
Acrylonitrile	ND	1.0	2.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5	0.5
Benzene	ND	1.0	0.5	0.5	Bromobenzene	ND	1.0	0.5	0.5
Bromo(chloromethane)	ND	1.0	0.5	0.5	Bromodichloromethane	ND	1.0	0.5	0.5
Bromoform	ND	1.0	0.5	0.5	Bromomethane	ND	1.0	0.5	0.5
2-Butanone (MEK)	ND	1.0	2.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0	5.0
n-Butyl benzene	ND	1.0	0.5	0.5	sec-Butyl benzene	1.2	1.0	0.5	0.5
tert-Butyl benzene	ND	1.0	0.5	0.5	Carbon Disulfide	4.8	1.0	0.5	0.5
Carbon Tetrachloride	ND	1.0	0.5	0.5	Chlorobenzene	ND	1.0	0.5	0.5
Chloroethane	ND	1.0	0.5	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0	1.0
Chloroform	ND	1.0	0.5	0.5	Chloromethane	ND	1.0	0.5	0.5
2-Chlorotoluene	ND	1.0	0.5	0.5	4-Chlorotoluene	ND	1.0	0.5	0.5
Dibromo(chloromethane)	ND	1.0	0.5	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	0.5	Dibromomethane	ND	1.0	0.5	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	0.5	1,3-Dichlorobenzene	ND	1.0	0.5	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	0.5	Dichlorodifluoromethane	ND	1.0	0.5	0.5
1,1-Dichloroethane	ND	1.0	0.5	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	0.5
1,1-Dichloroethylene	ND	1.0	0.5	0.5	cis-1,2-Dichloroethylene	ND	1.0	0.5	0.5
trans-1,2-Dichloroethylene	ND	1.0	0.5	0.5	1,2-Dichloropropane	ND	1.0	0.5	0.5
1,3-Dichloropropane	ND	1.0	0.5	0.5	2,2-Dichloropropane	ND	1.0	0.5	0.5
1,1-Dichloropropene	ND	1.0	0.5	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5	0.5
Ethylbenzene	ND	1.0	0.5	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	0.5
Freon 113	ND	1.0	10	10	Hexachlorobutadiene	ND	1.0	0.5	0.5
Hexachloroethane	ND	1.0	0.5	0.5	2-Hexanone	ND	1.0	0.5	0.5
Isopropylbenzene	ND	1.0	0.5	0.5	4-Isopropyl toluene	ND	1.0	0.5	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	0.5	Methylene chloride	ND	1.0	0.5	0.5
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	0.5	Naphthalene	0.85	1.0	0.5	0.5
Nitrobenzene	ND	1.0	10	10	n-Propyl benzene	ND	1.0	0.5	0.5
Styrene	ND	1.0	0.5	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	0.5	Tetrachloroethene	ND	1.0	0.5	0.5
Toluene	ND	1.0	0.5	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	0.5	1,1,1-Trichloroethane	ND	1.0	0.5	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	0.5	Trichloroethene	ND	1.0	0.5	0.5
Trichlorofluoromethane	ND	1.0	0.5	0.5	1,2,3-Trichloropropane	ND	1.0	0.5	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5	0.5
Vinyl Chloride	ND	1.0	0.5	0.5	Xylenes	ND	1.0	0.5	0.5

Surrogate Recoveries (%)

%SS1:	98	%SS2:	91
%SS3:	107		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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Streamborn P.O. Box 8330 Berkeley, CA 94707-8330	Client Project ID: #P219 T08; 501 North Main	Date Sampled: 04/11/05
		Date Received: 04/13/05
	Client Contact: Michael D. Chendorain	Date Extracted: 04/13/05
	Client P.O.:	Date Analyzed: 04/13/05

Diesel (C10-C23), Kerosene (C9-C18) and Oil (C18+) Range Extractable Hydrocarbons as Diesel, Kerosene and Motor Oil*

Extraction method: SW3510C

Analytical methods: SW8015C

Work Order: 0504177

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	50	250	µg/L
	S	NA	NA	NA	mg/Kg

* water samples are reported in ug/L, wipe samples in $\mu\text{g}/\text{wipe}$, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in $\mu\text{g}/\text{L}$.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.



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Streamborn P.O. Box 8330 Berkeley, CA 94707-8330	Client Project ID: #P219 T08; 501 North Main	Date Sampled: 04/11/05
		Date Received: 04/13/05
	Client Contact: Michael D. Chendorain	Date Extracted: 04/14/05
	Client P.O.:	Date Analyzed: 04/14/05

Gasoline Range (C6-C12) & Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX and MTBE*

Extraction Method: SW5030B

Analytical Method: SW8021B/8015Cm

Work Order: 0504177

Lab ID	0504177-001A	0504177-002A				
Client ID	501-MW4	501-MW2				Reporting Limit for DF =1
Matrix	W	W				
DF	1	1				S W
Compound	Concentration					ug/kg
TPH(g)	ND	800				NA 50
TPH(ss)	ND	190				NA 50
MTBE	---	---				NA 5.0
Benzene	ND	ND				NA 0.5
Toluene	ND	ND				NA 0.5
Ethylbenzene	ND	0.90				NA 0.5
Xylenes	ND	ND				NA 0.5
Surrogate Recoveries (%)						
%SS:	96	116				
Comments		m				

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.



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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0504177

EPA Method: SW8021B/8015Cm		Extraction: SW5030B		BatchID: 15817			Spiked Sample ID: 0504149-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
MTBE	ND	10	94.1	96.3	2.37	92.9	91.7	1.35	70 - 130	70 - 130
Benzene	ND	10	106	109	2.78	94.2	97.2	3.13	70 - 130	70 - 130
Toluene	ND	10	104	106	2.67	94.9	97.3	2.45	70 - 130	70 - 130
Ethylbenzene	ND	10	105	108	2.48	95.3	101	5.58	70 - 130	70 - 130
Xylenes	ND	30	91	95	4.30	86	90.3	4.91	70 - 130	70 - 130
%SS:	110	10	116	115	1.22	102	105	3.50	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 15817 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504177-001A	4/11/05 1:40 PM	4/14/05	4/14/05 9:39 PM	0504177-002A	4/11/05 1:54 PM	4/14/05	4/14/05 2:33 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer



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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0504177

EPA Method: SW8015C		Extraction: SW3510C			BatchID: 15818			Spiked Sample ID: N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	102	102	0	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	84	84	0	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 15818 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504177-001B	4/11/05 1:40 PM	4/13/05	4/13/05 5:57 PM	0504177-002B	4/11/05 1:54 PM	4/13/05	4/13/05 9:30 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (\text{MS-Sample}) / (\text{Amount Spiked})$; RPD = $100 * (\text{MS} - \text{MSD}) / ((\text{MS} + \text{MSD}) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0504177

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 15843			Spiked Sample ID: 0504169-007B		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	10	90.7	90.5	0.218	89.8	90.4	0.731	70 - 130	70 - 130
Benzene	ND	10	103	105	1.44	100	102	1.82	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	80	84.2	5.08	88.5	83	6.32	70 - 130	70 - 130
Chlorobenzene	ND	10	115	115	0	109	111	2.30	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	10	84.5	84.9	0.500	80.8	81.6	1.06	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	102	108	5.53	102	105	2.59	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	93.7	97.3	3.78	97.3	96.6	0.717	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	96.9	96.8	0.0420	94.4	96.1	1.73	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	86.8	88.4	1.80	87.2	88.8	1.79	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	91.8	93.3	1.62	92.3	91	1.46	70 - 130	70 - 130
Toluene	ND	10	107	104	2.94	98.7	100	1.27	70 - 130	70 - 130
Trichloroethylene	ND	10	93.2	94	0.863	91.3	91.7	0.355	70 - 130	70 - 130
%SS1:	102	10	94	97	3.21	96	95	0.842	70 - 130	70 - 130
%SS2:	99	10	100	98	2.60	98	99	0.379	70 - 130	70 - 130
%SS3:	112	10	108	108	0	108	109	1.11	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 15843 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504177-001C	4/11/05 1:40 PM	4/19/05	4/19/05 4:02 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer _____



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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0504177

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 15848			Spiked Sample ID: 0504178-003B		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	10	92.3	101	8.73	91.3	95.2	4.14	70 - 130	70 - 130
Benzene	ND	10	105	111	5.24	106	108	1.84	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	91.6	101	10.2	88.7	88.7	0	70 - 130	70 - 130
Chlorobenzene	ND	10	114	120	4.68	115	117	2.26	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	10	94.7	97.1	2.57	82.4	85.9	4.15	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	111	118	6.27	106	108	1.98	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	99.7	103	3.05	95.4	98.3	3.03	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	95.2	103	7.43	98.6	101	2.50	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	87.8	96.3	9.29	88.8	92.3	3.80	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	1.3	10	101	106	3.91	92.5	97.9	5.64	70 - 130	70 - 130
Toluene	ND	10	102	107	4.82	104	107	3.07	70 - 130	70 - 130
Trichloroethylene	ND	10	92.8	97.9	5.35	94.3	94.1	0.282	70 - 130	70 - 130
%SS1:	105	10	98	98	0	97	97	0	70 - 130	70 - 130
%SS2:	ND	10	96	98	1.96	99	99	0	70 - 130	70 - 130
%SS3:	ND	10	111	110	0.450	112	111	0.672	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 15848 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504177-002C	4/11/05 1:54 PM	4/19/05	4/19/05 4:45 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer _____

ATTACHMENT 3

Reports from the McEdwards Group

THE McEDWARDS GROUP

1025 Hearst-Willits Road

Willits, CA 95490

License #743428

Phone: (707) 459-1086

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October 24, 2002

Job No. 1064.01.02

Daniel L. Warner
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 95403

Phase 2 Summary Report
Soil and Groundwater Investigation
500 North Main Street
Fort Bragg, California

Dear Mr. Warner:

We are pleased to present this Summary Report for Phase 2 of the investigation of soil and groundwater contamination at the above-captioned site. Our *Phase 1 Summary Report* of February 14, 2001 included a work plan for this Phase 2 investigation. We incorporated your suggested revision to the work plan in our *Revisions to Recommendations* dated November 15, 2001. Your approved the work plan and revisions in your letter of December 13, 2001.

BACKGROUND

Phase 1 work, done in November 2000 comprised drilling soil borings B-1 through B-4 to ground water around the tank excavation at the locations shown on the Site Plan, Plate 1. Soil conditions encountered in these four phase 1 borings are shown on Plate 2. Soil and ground-water samples were taken in each boring and submitted for analysis of Total Petroleum Hydrocarbons (TPH) as diesel; TPH as gasoline; benzene, toluene, ethylbenzene, and xylenes (BTEX); and the five fuel oxygenates Di-isopropyl Ether (DIPE), Ethyl tert-Butyl Ether (ETBE), MTBE, tert-Amyl Methyl Ether (TAME), and tert-Butanol (TB).

FIELD INVESTIGATION RESULTS

Phase 2 work, done on July 1&2, 2002, comprised drilling soil borings B-5 through B-7 and installing monitoring wells MW-1 through MW-3 at the locations shown on Plate 1. Soil and water samples from the soil borings and well borings were submitted for analysis of TPH as diesel, TPH as gasoline, BTEX, and the five fuel oxygenates. Soil conditions encountered in the borings are described on Plates 3 and 4 in accordance with the Unified Soil Classification System, Plate 5. Construction details of the three wells are shown on Plate 6. The wells were developed on July 2 and sampled on July 3, 2002. Soil and water sample analysis results for Phase 1 and Phase 2 are presented in the attached Table 1. Water sample results are posted next to the borings and wells on Plate 1.

As is evident from Table 1, the soil samples taken at 10 and 11 feet are free of contamination, all grab water samples are free of fuel oxygenate contamination, and all monitoring well water samples are free of contamination. TPH as diesel and TPH as gasoline concentrations found in water samples are plotted on Plate 1. The highest concentrations of diesel and gasoline are found in the water samples from borings B-4, B-5, and B-6 with concentrations increasing more than 10 times from B-4 to B-6 and from B-6 to B-5. The notes on laboratory reports for these samples are shown on Table 1 and indicate the high contamination levels are due to the presence of Stoddard solvent, which is typically used in dry cleaning operations.

Soon after the monitoring wells were installed a surveyor in Fort Bragg was asked to survey the wells. After a month with no report phone calls not returned another surveyor was asked to schedule the work. The monitoring wells were surveyed on September 25 and 27, 2002 and the survey report was received on October 23, 2002. Water level elevations at the three monitoring wells are contoured on Plate 1 and show groundwater flow is to the west. This flow direction places well MW-3 downgradient of the tank excavation.

CONCLUSIONS AND RECOMMENDATIONS

The levels diesel and gasoline found in the water samples from borings B-4, B-5, and B-6 are due to the presence of Stoddard solvent coming from a source offsite south or southwest of 500 North Main Street. The most likely the source of the Stoddard solvent is a former dry cleaning operation that used Stoddard solvent as a cleaning fluid. We recommend a work plan be prepared to determine the source of the Stoddard solvent. The work plan should include investigating prior uses of the parcel occupied by the North Coast Brewing Company Restaurant on the southeast corner of North Main Street and East Pine Street and of the parcel occupied by the North Coast Brewing Company Brewery on the southwest corner of North Main Street and East Pine Street. With the prior use of the parcels known, a soil boring plan can be fashioned to confirm and characterize the offsite source of contamination.

We recommend conducting the monitoring program described our work plan of February 27, 2000 for a full year and if no contamination is found, requesting site closure and abandonment of the monitoring wells. Because of the absence of significant groundwater contamination onsite we recommend the a sensitive receptor survey and formulation of a site conceptual model be done only if significant groundwater contamination is found in the course of groundwater monitoring.

We trust this is the information you require at this time. If you have any questions, please call.

Very Truly Yours,
THE McEDWARDS GROUP

Donald G. McEdwards

Donald G. McEdwards, PhD, RCE 28088, RG 3872, HG 153
Principal Hydrogeologist

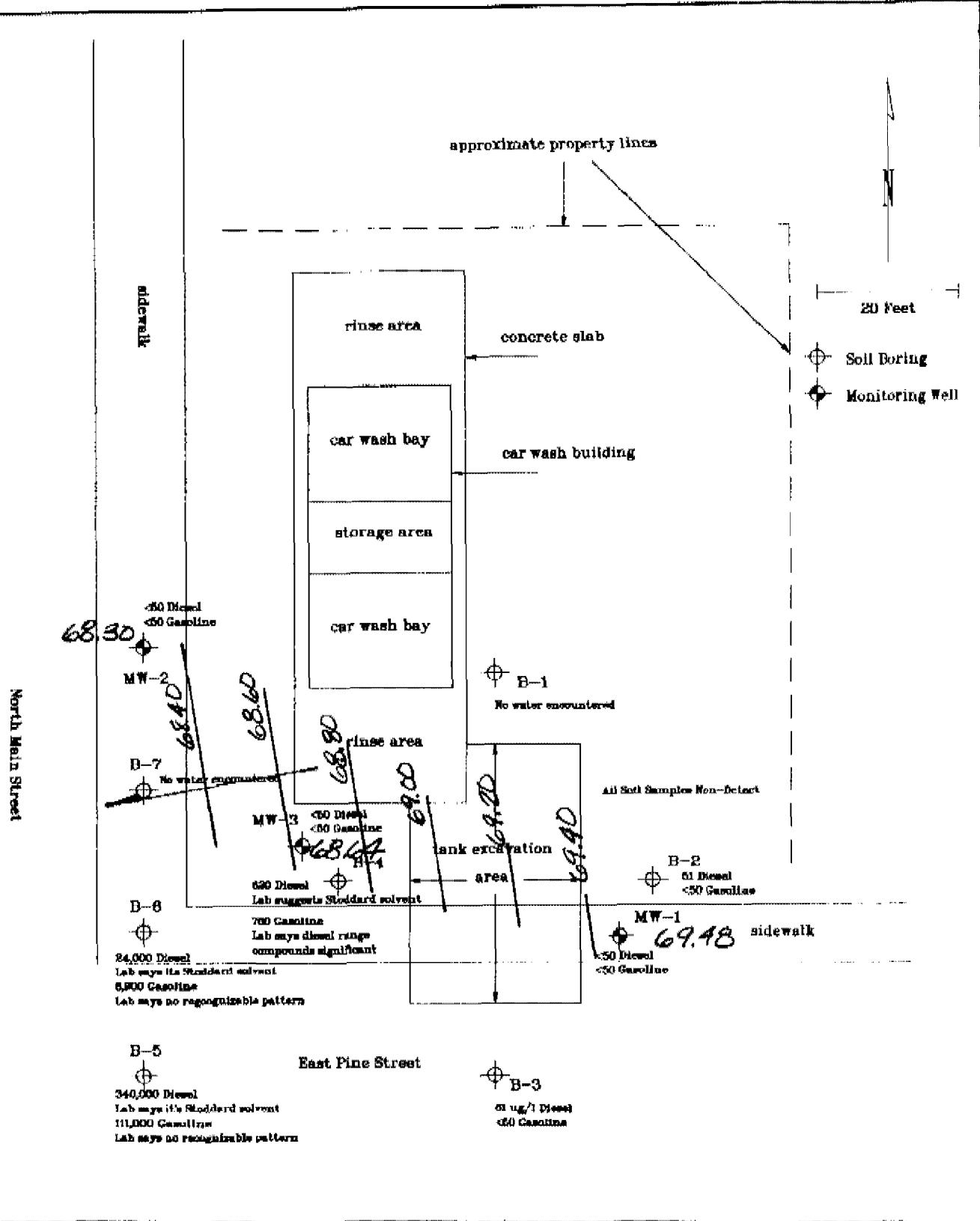
Attachments: Site Plan with Water Sample Results, Plate 1
Logs of Borings, Plates 2, 3, and 4
Unified Soil Classification System, Plate 5
Construction of Wells MW-1, MW-2, and MW-3, Plate 6
Table 1 - Analytical Results of Soil and Water Samples from
Borings and Wells at 500 North Main Street, Fort Bragg
Analytical Laboratory Report and Chain-of-Custody form

cc: Charles R. Perkins Trust
c/o Mr. Thomas Hawkes
601 Canyon Drive
Pacifica, CA 94044

Table 1 - Analytical Results of Soil and Water Samples from Borings and Wells at 500 North Main Street, Fort Bragg

	LAB NOTES	TPH as DIESEL	TPH as GASOLINE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	DIPE	ETSE	MTBE	TAME	DB	
mg/kg													
B-1@I0	11/17/00	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<5.0	<25	
B-2@I0	11/17/00	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<5.0	<25	
B-3@I0	11/17/00	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<5.0	<25	
B-3@I5	11/17/00	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<5.0	<25	
B-4@I0	11/17/00	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<5.0	<25	
B-5@II	07/02/02	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<5.0	<50	
B-6@II	07/02/02	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<5.0	<50	
MW-1@II	07/01/02	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<5.0	<50	
MW-2@II	07/01/02	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<5.0	<50	
MW-3@II	07/01/02	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<5.0	<50	
ug/l													
B-2 Water	11/17/00	1	51	<50	0.55	0.78	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<5.0
B-3 Water	11/17/00	1	61	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<5.0
B-4 Water	11/17/00	2	620	760	<0.5	<0.5	3.2	3.5	<1.0	<1.0	<1.0	<1.0	<5.0
B-5 Water	07/02/02	3	310,000	311,000	<5.0	46	370	420	<0.5	<0.5	<0.5	<0.5	<5.0
B-6 Water	07/02/02	4	24,000	8,900	<10	<10	12	24	<0.5	<0.5	<0.5	<0.5	<5.0
MW-1	07/03/02		<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-2	07/03/02		<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
MW-3	07/03/02		<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0

- Lab Notes:
- 1 Diesel range compounds significant, no recognizable pattern.
 - 2 Diesel trace has medium boiling point pattern that does not match diesel (Stoddard solvent?).
 - 3 Gasoline trace - strongly aged gasoline or diesel range compounds are significant, but no recognizable pattern.
 - 4 Diesel trace is Stoddard solvent, gasoline trace is strongly aged gasoline or diesel range compounds with no recognizable pattern, and lighter-than-water immiscible sheen/product is present.
 - 5 Diesel trace is Stoddard solvent, gasoline trace has no recognizable pattern, and lighter-than-water immiscible sheen/product is present.



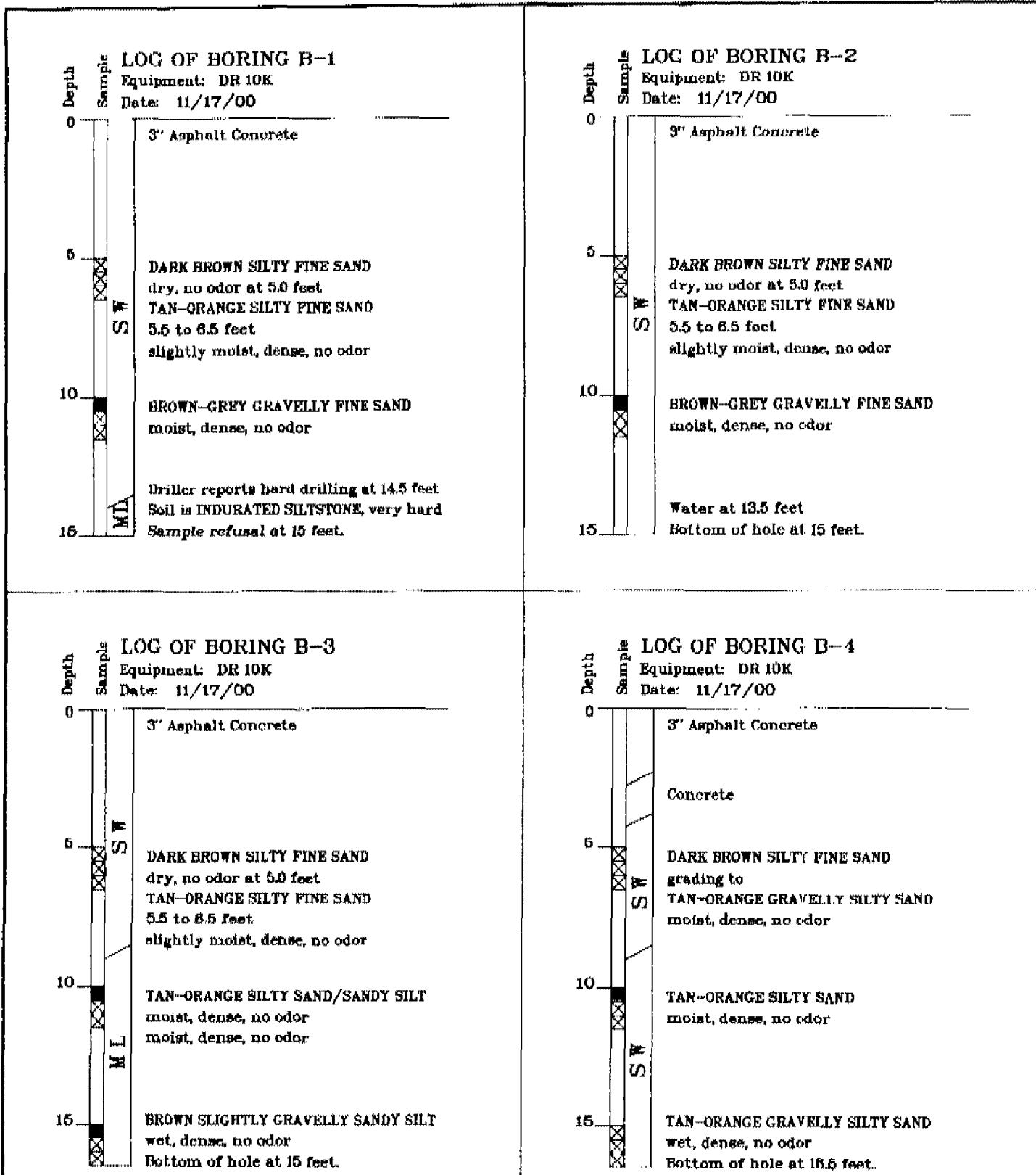
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Site Plan with Water Sample Results
500 North Main Street
Fort Bragg, California

PLATE

1

PH2R.P1



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Job Number: 1064.01.02

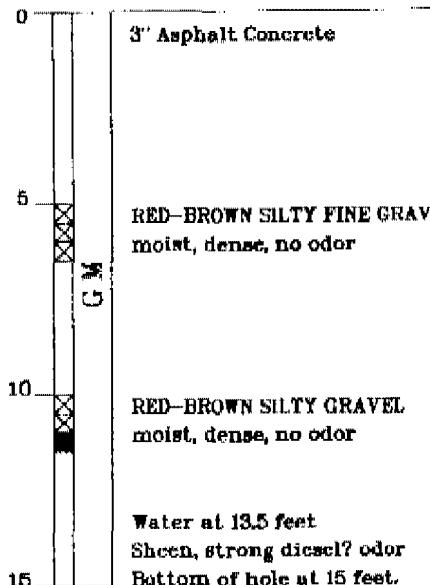
Logs of Borings B-1 through B-4
500 North Main Street
Fort Bragg, California

PLATE

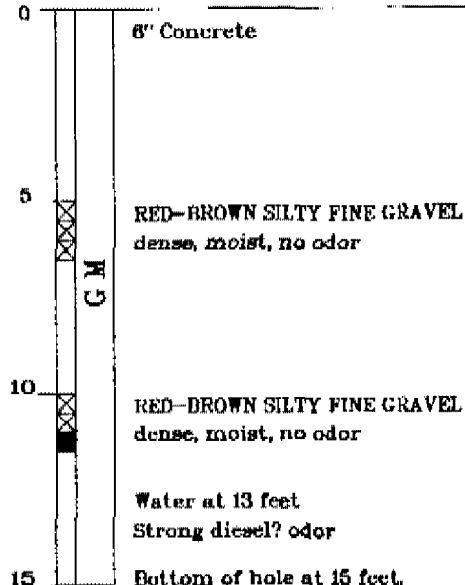
2

PHEP.P2

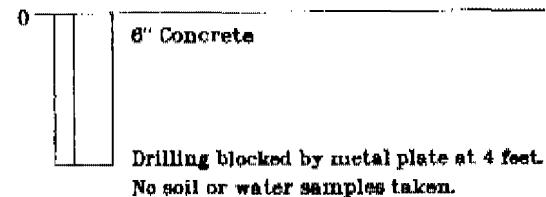
Depth Sample LOG OF BORING B-5
Equipment: DR 10K
Date: 07/02/02



Depth Sample LOG OF BORING B-6
Equipment: DR 10K
Date: 07/02/02



Depth Sample LOG OF BORING B-7
Equipment: DR 10K
Date: 07/02/02



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License No. 743428

Job Number: 1064.01.02

Logs of Borings B-5, B-6, and B-7
500 North Main Street
Fort Bragg, California

PLATE

3

PH2RP3

Depth	Sample	LOG OF WELL MW-1	Depth	Sample	LOG OF WELL MW-2
0		Equipment: DR 10K Date: 07/01/02	0		Equipment: DR 10K Date: 07/01/02
6		6' Concrete	5		6' Concrete
10	S M	DARK BROWN SILTY FINE SAND moderate dense, moist, no odor	10	G W	LIGHT BROWN-RUST FINE GRAVEL dense, moist, no odor
15	M L	BROWN GRAVELLY FINE SAND moist, dense, no odor	15		LIGHT BROWN-RUST SILTY FINE GRAVEL dense, moist, no odor
		RED AND BROWN FRACTURED SILTSTONE hard, moist, no odor Hole to 20 feet for well installation.			Driller reports water at 14 feet
					LIGHT BROWN-RUST SILTY FINE GRAVEL dense, wet, no odor Hole to 20 feet for well installation.
Depth	Sample	LOG OF WELL MW-3			
0		Equipment: DR 10K Date: 07/01/02			
5	D G	3" Asphalt Concrete			
10	G W	BROWN SILTY FINE GRAVEL dense, moist, no odor			
15	M L	LIGHT BROWN-RUST V. SILTY FINE GRAVEL dense, moist, no odor			
		LIGHT BROWN-RUST V. SILTY FINE GRAVEL dense, wet, no odor Hole to 20 feet for well installation.			

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Logs of Wells MW-1, MW-2, and MW-3
 500 North Main Street
 Fort Bragg, California

PLATE
 4

PH2RP4

COARSE GRAINED SOILS <small>More than half is larger than No. 200 sieve</small>	GRAVEL More than half coarse fraction is larger than No. 4 sieve	Clean gravel with little or no fines	GW	Well graded gravel or gravel-sand mixtures
		Gravel with more than 12% fines	GP	Poorly graded gravel or gravel-sand mixtures
		Clean sand with little or no fines	GM	Silty gravel or poorly graded gravel-sand-silt mixtures
		Sand with more than 12% fines	GC	Clayey gravel or poorly graded gravel-sand-silt mixtures
	SAND More than half coarse fraction is smaller than No. 4 sieve	Clean sand with little or no fines	SW	Well graded sand or gravelly sand
		Sand with more than 12% fines	SP	Poorly graded sand or gravelly sand
		Sand with more than 12% fines	SM	Silty sand or poorly graded sand-silt mixtures
		Sand with more than 12% fines	SC	Clayey sand or poorly graded sand-silt mixtures
FINE GRAINED SOILS <small>More than half is smaller than No. 200 sieve</small>	SILT AND CLAY Liquid limit less than 50%		ML	Inorganic silt, very fine sand, rock flour, or silty or clayey fine sand
			CL	Inorganic clay, gravelly clay, silty clay, or lean clay
			OL	Organic silt or organic silty clay
	SILT AND CLAY Liquid limit greater than 50%		MH	Inorganic silt, micaceous or diatomaceous fine sandy or silty soils
			CH	Inorganic clay of high plasticity
			OH	Organic clay of med. to high plasticity
HIGHLY ORGANIC SOILS		PT	Peat or other highly organic soil	

Soil sample submitted for chemical analysis

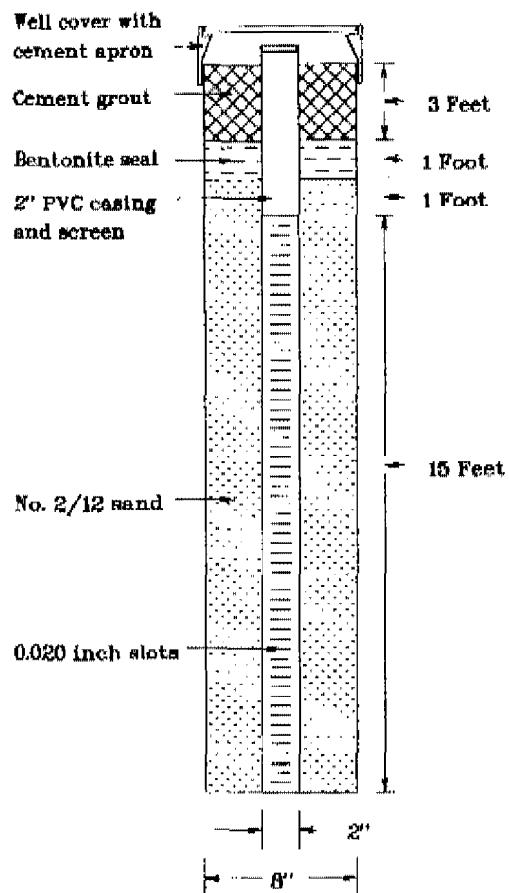
Soil sample taken for soil classification

MOIST - Damp with water

WET - Very moist with no free water

SATURATED - Completely full of water

WELL CONSTRUCTION DIAGRAM



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License No. 743428

Job Number: 1064.01.02

Construction of MW-1, MW-2, & MW-3
500 North Main Street
Fort Bragg, California

PLATE

6

PH2R.P6



McCampbell Analytical Inc.

110 2nd Avenue, Suite 313, Pacheco, CA 94553-5560
 Telephone: 925.798.1630 Fax: 925.798.1635
<http://www.mccampbell.com> E-mail: main@mccampbell.com

The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 07/01/02
	Client Contact: Don McEdwards	Date Received: 07/09/02
	Client P.O.:	Date Extracted: 07/09/02
		Date Analyzed: 07/09/02-07/13/02

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C	Analytical methods: SW801aC			Work Order: 0207089		
Lab ID	Client ID	Matrix	TPH(d)	DF	% SS	
0207089-001A	MW-1a11.0	S	ND	1	97.4	
0207089-002A	B-8-a11.0	S	ND	1	96.1	
0207089-003A	MW-3-a11.0	S	ND	1	98.2	
0207089-004A	B-5-a11.0	S	ND	1	98.3	
0207089-005A	B-6-a11.0	S	ND	1	98.2	
0207089-006B	B-5 Water	W	310,000,n.d.i	100	#	
0207089-007B	B-6 Water	W	24,000,n.d.a	1	101	
0207089-008B	MW-1	W	ND	1	98.9	
0207089-009B	MW-2	W	ND	1	96.2	
0207089-010B	MW-3	W	ND	1	98.3	

Reporting Limit for DF: 1,	W	50	µg/L
ND means not detected at or above the reporting limit	S	1.0	mg/Kg

* water and vapor samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCEP/STIC/XPLP extracts in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or, surrogate peak is on elevated baseline, or, surrogate has been diminished by dilution of original extract

* The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant, no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than 2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) standard solvent.



McCampbell Analytical Inc.

110 2nd Avenue, Unit #137, Pacifica, CA 94553-5560
 Telephone: 925 798 1620 Fax: 925 798 1622
<http://www.mccampbell.com> E-mail: unl@mccampbell.com

The McEdwards Group 1025 Heart-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St	Date Sampled: 07/01/02
		Date Received: 07/09/02
	Client Contact: Don McEdwards	Date Extracted: 07/09/02
	Client P.O.:	Date Analyzed: 07/09/02-07/16/02

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW8040B Analytical methods: SW8021B 8015Cm Work Order: 020/089

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1a 11.0	S	ND	---	ND	ND	ND	ND	1	112
002A	B-8a 11.0	S	ND	---	ND	ND	ND	ND	1	119
003A	MW-5a 11.0	S	ND	---	ND	ND	ND	ND	1	115
004A	B-8a 11.0	S	ND	---	ND	ND	ND	ND	1	109
005A	B-6a 11.0	S	ND	---	ND	ND	ND	ND	1	115
006A	B-5 Water	W	110000,g,m,h,i	---	ND<2.0	46	370	420	10	-#
007A	B-6 Water	W	8900,m,h,i	---	ND<10	ND<10	12	24	20	112
008A	MW-1	W	ND	---	ND	ND	ND	ND	1	109
009A	MW-2	W	ND	---	ND	ND	ND	ND	1	99.3
010A	MW-3	W	ND	---	ND	ND	ND	ND	1	97.8

Reporting Limit for DF >1:	W	50	5.0	0.5	0.5	0.5	0.5	ng/L
ND means not detected at or above the reporting limit	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

*water and vapor samples are reported in ug/l, soil and sludge samples in mg/kg, wipe samples in ug/wipe, and TCEP extracts in ug/l

cluttered chromatogram; sample peak coelutes with surrogate peak

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant (aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant, biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas); m) no recognizable pattern.

THE McEDWARDS GROUP

1025 Hearst-Willits Road

Willits, CA 95490

License #743428

Fax: (707) 459-1084

Phone: (707) 459-1086

April 30, 2005

Job No. 1064.01.02

Mr. Daniel Warner
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 95403

Report of Installation of MW-4, MW-5, and MW-6
First Quarter 2005 (circa March) Monitoring Report
500 North Main Street, Fort Bragg, California

Dear Mr. Warner:

This letter presents our report of installation of additional monitoring wells MW-4, MW-5, and MW-6 and results of sampling of the six wells installed on and immediately offsite of 500 North Main Street, Fort Bragg.

On April 7 and 8, 2005 we installed wells MW-4, MW-5, and MW-6 at the locations shown on the Site Plan, Plate 1. The well borings were drilled to 20 feet with a 7-1/4 inch hollow stem auger. Soil samples were collected at five foot intervals using a split spoon sampler lined with 2-inch diameter by 6-inch long brass tubes. The soil samples were taken for soil classification and laboratory analysis. The soil samples were analyzed for Total Petroleum Hydrocarbons (TPH) as Diesel; TPH as Motor Oil; TPH as Gasoline; Benzene, Toluene, Ethlybenzene, and Xylenes (BTEX); and volatile organic compounds (VOCs). Contamination was found only in soil samples taken in the boring for MW-5. Analytical results for soil samples are given in Table 1. Soil conditions encountered in the well borings are described on the Logs of MW-4 to MW-6, Plates 2 and 3, in accordance with the Unified Soil Classification System, Plate 4.

Wells constructed in these three borings are constructed identically to previously installed wells MW-1, MW-2, and MW-3. The wells are constructed of 2-inch PVC, are 20 feet deep, have well screen placed between 5 and 20 feet, and have a cement grout seal placed below the well cover to 3 feet. These well construction details are shown on Construction of MW-4, MW-5, and MW-6, Plate 5.

On April 9 and 10, the three new monitoring wells were developed by vigorous overpumping and agitation using a dedicated purge tube in each well driven by a Rotapump^(SM) jack pump. On April 11, the three new wells were surveyed, equilibrated water levels were measured in the six wells, and each well was purged of standing water until successive readings of indicator parameters pH, conductivity, oxygen reduction potential, dissolved oxygen, and temperature differed by less than 5% or until the well dewatered, whichever came first. Following purging, each well was let stand for at least three hours before being sampled using a disposable bailer. The well purging and sampling record is attached.

Hydrographs of water level elevations measured each quarter since September 2002 are shown on Plate 6. Water level depths and elevations measured each quarter since September 2002 are tabulated in Table 2.

Groundwater samples were analyzed for TPH as Diesel, TPH as Motor Oil, TPH as Kerosene, TPH as Stoddard Solvent, BTEX, and VOCs. Except for Chloroform and Carbon Disulfide, one or both of which were found in all six wells at low levels and which consequently are believed to be laboratory contaminants, all wells were free of contamination except MW-5. Analytical results for water samples from the wells are given in Table 3. Analytical results for water samples from borings drilled previously are given in Table 4.

CONCLUSIONS AND RECOMMENDATIONS

The groundwater flow direction shown on Plate 7 places wells MW-4 and MW-5 directly downgradient of the tank excavation. Contamination found in soil and water samples from MW-5 cannot have originated from the tank excavation because no soil or water contamination was found in well MW-4, which well is immediately downgradient of the tank excavation and located between the tank excavation and well MW-5.

Analytical results of water samples taken from borings B-2 through B-6 and from wells MW-1 through MW-6 are posted on the site plan on Plate 8. The presence of stoddard solvent in borings B-4, B-5 and B-6 and in well MW-5 and its absence in wells MW-4 and MW-6 suggest that source of stoddard solvent is below Pine Street upgradient of boring B-5. We recommend that the Water Board ask the City of Fort Bragg to perform a ground penetrating radar and a magnetometer surveys over the entire width of East Pine Street from the eastern edge of the tank excavation to the western edge of the crosswalk to determine if an undisclosed underground tank is present.

Because the data unambiguously show that the contamination in MW-5 did not originate onsite and because monitoring wells MW-1, MW-2, and MW-3 have been free of contamination for eleven quarters, we believe it is now the time to grant administrative closure to the site and require no further action be done.

We trust this is the information you require at this time. If you have any questions, please call.

Very Truly Yours,
THE McEDWARDS GROUP

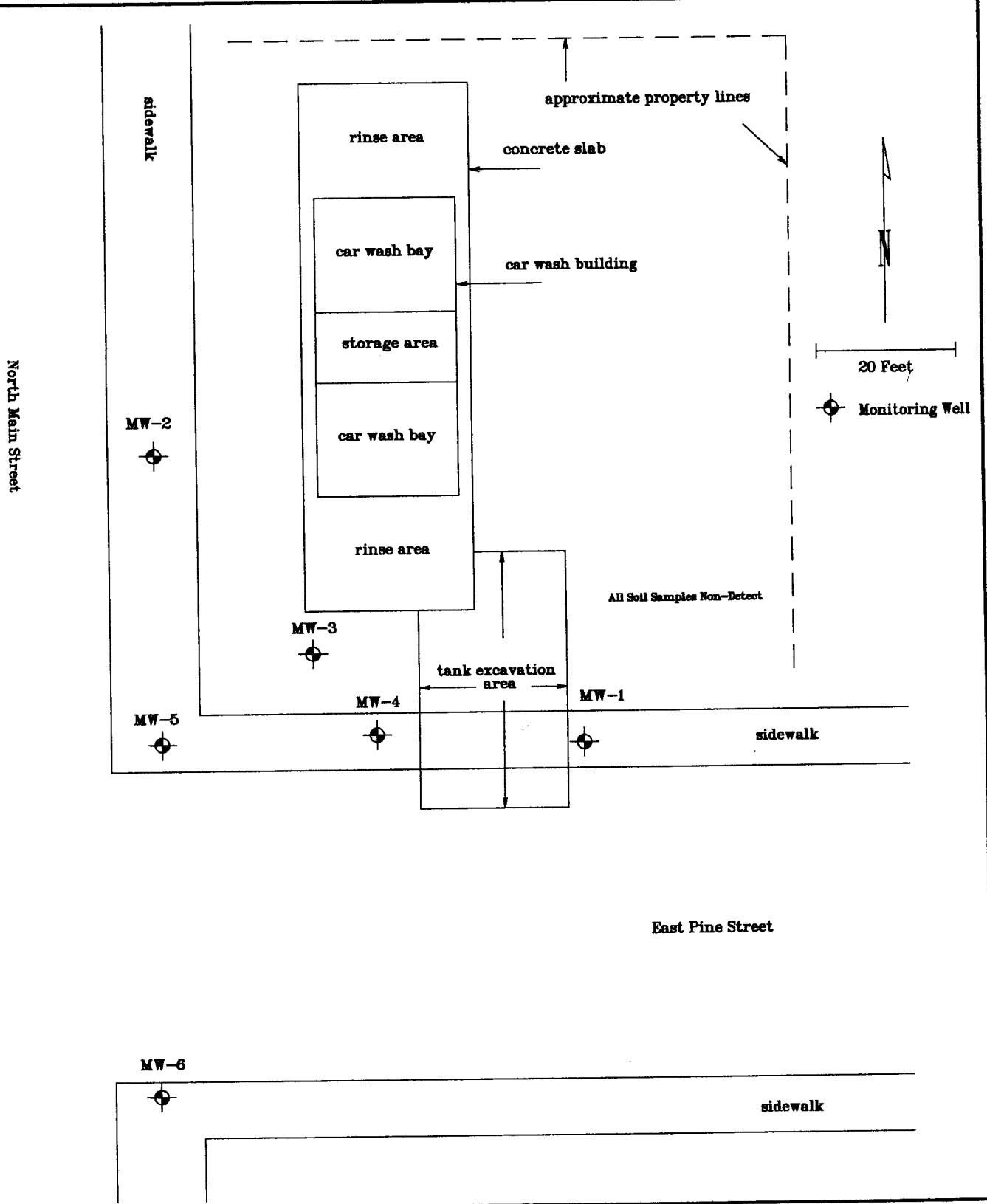


Donald G. McEdwards, PhD, CE 28088, RG 3872, HG 153
Principal Hydrogeologist



Attachments: Site Plan, Plate 1
Logs of MW-4, MW-5, and MW-6, Plates 2 and 3
Unified Soil Classification System, Plate 4
Construction of MW-4, MW-5, and MW-6, Plate 5
Hydrographs of MW-1 to MW-6, Plate 6
Water Level Contours - 04/11/05, Plate 7
Boring and Well Water Sample Results, Plate 8
Table 1 - Analytical Results of Soil Samples from Borings at 500 North Main Street, Fort Bragg
Table 2 - Water Level Depths and Elevations at 500 North Main Street, Fort Bragg
Table 3 - Analytical Results of Water Samples from Wells at 500 North Main Street, Fort Bragg
Table 4 - Analytical Results of Water Samples from Borings at 500 North Main Street, Fort Bragg
Analytical Laboratory Reports and Chain-of-Custody forms
Well Purging and Sampling Record

cc:
Mr. Thomas Hawkes, Trustee
Charles R. Perkins Trust
601 Canyon Drive
Pacifica, CA 94044



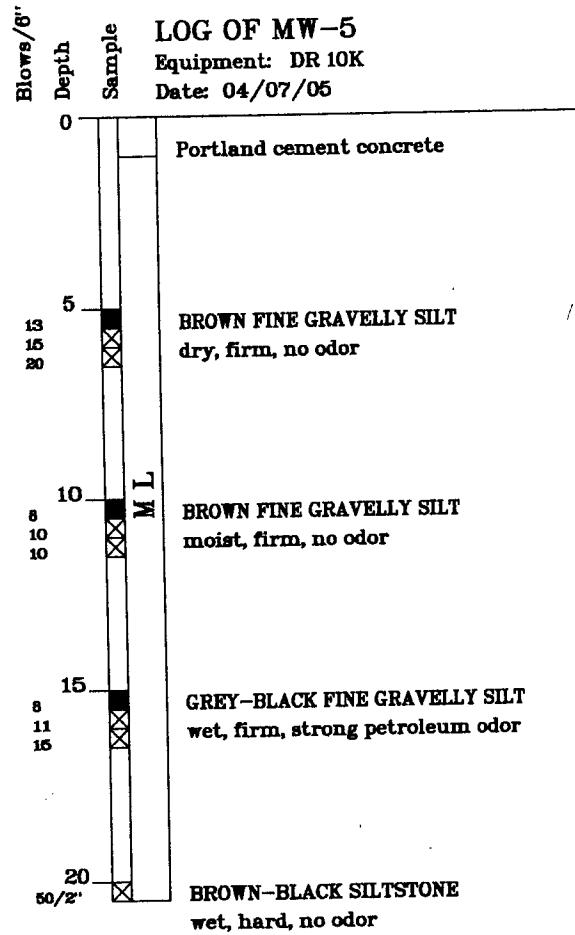
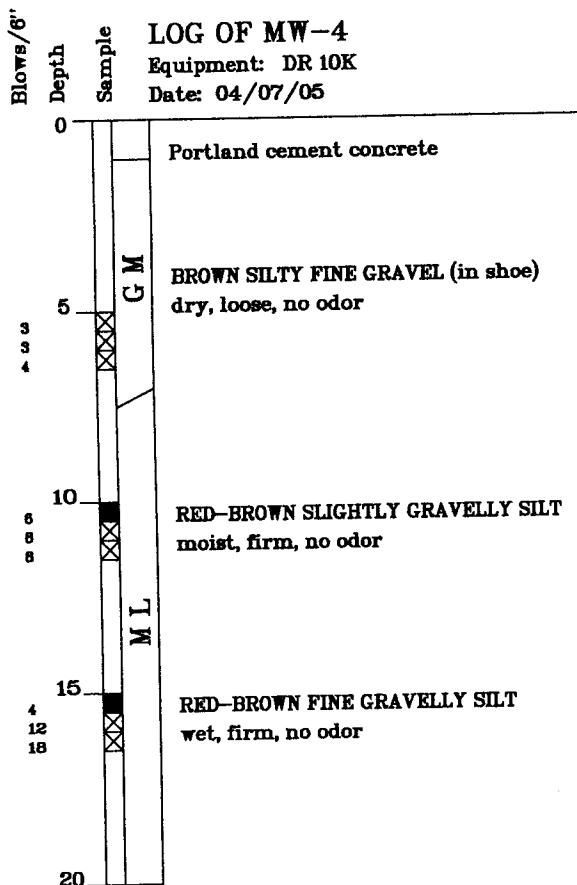
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Job Number: 1064.01.02

Site Plan
500 North Main Street
Fort Bragg, California

PLATE

1

QTR.PIA



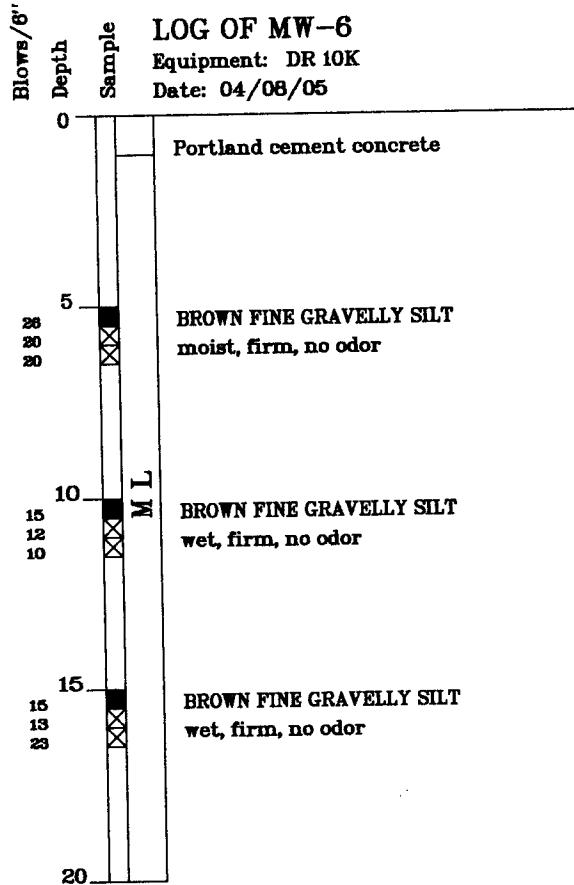
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Consultants and Contractors
License No. 743428

Job Number: 1064.01.02

Logs of MW-4 and MW-5
500 North Main Street
Fort Bragg, California

PLATE
2

MW4-5.P2



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 Consultants and Contractors
 License No. 743428

Job Number: 1064.01.02

Log of MW-6
 500 North Main Street
 Fort Bragg, California

PLATE
3

MW-6.P3

COARSE GRAINED SOILS			
GRAVEL	Clean gravel with little or no fines	GW	Well graded gravel or gravel-sand mixtures
More than half coarse fraction is larger than No. 4 sieve	Gravel with more than 12% fines	GP	Poorly graded gravel or gravel-sand mixtures
SAND	Clean sand with little or no fines	GM	Silty gravel or poorly graded gravel-sand-silt mixtures
More than half coarse fraction is smaller than No. 4 sieve	Sand with more than 12% fines	GC	Clayey gravel or poorly graded gravel-sand-silt mixtures
		SW	Well graded sand or gravelly sand
		SP	Poorly graded sand or gravelly sand
		SM	Silty sand or poorly graded sand-silt mixtures
		SC	Clayey sand or poorly graded sand-silt mixtures
FINE GRAINED SOILS			
SILT AND CLAY	Liquid limit less than 50%	ML	Inorganic silt, very fine sand, rock fluor, or silty or clayey fine sand
SILT AND CLAY	Liquid limit greater than 50%	CL	Inorganic clay, gravelly clay, silty clay, or lean clay
		OL	Organic silt or organic silty clay
		MH	Inorganic silt, micaceous or diatomaceous fine sandy or silty soils
		CH	Inorganic clay of high plasticity
		OH	Organic clay of med. to high plasticity
HIGHLY ORGANIC SOILS	PT		Peat or other highly organic soil

Soil sample submitted for
chemical analysis

MOIST - Damp with water

WET - Very moist with no free water

SATURATED - Completely full of water

Soil sample taken for
soil classification

13 Blows/6" - No. blows of 180 lb hammer
falling 30" to drive sampler 6"

336 ppm vapor - Organic vapor meter

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Job Number: 1064.01.02

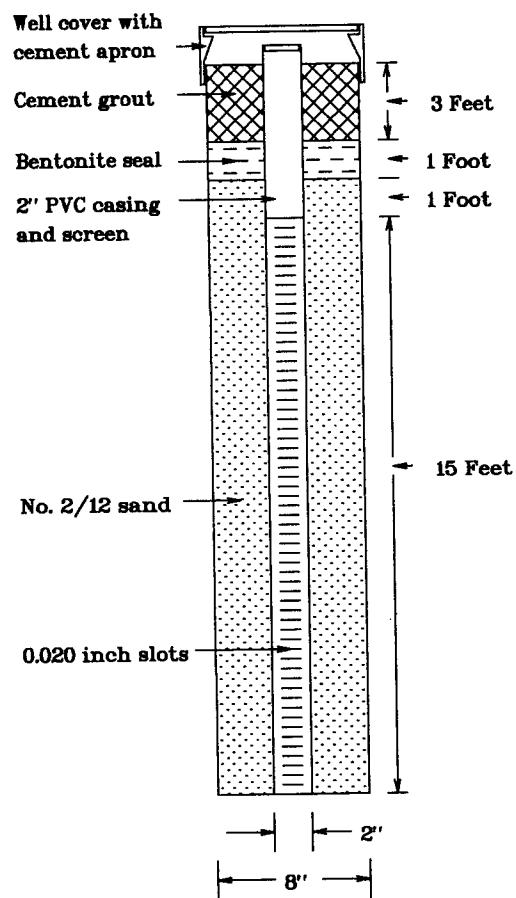
Unified Soil Classification System
500 North Main Street
Fort Bragg, California

PLATE

4

USCS.P4

WELL CONSTRUCTION DIAGRAM



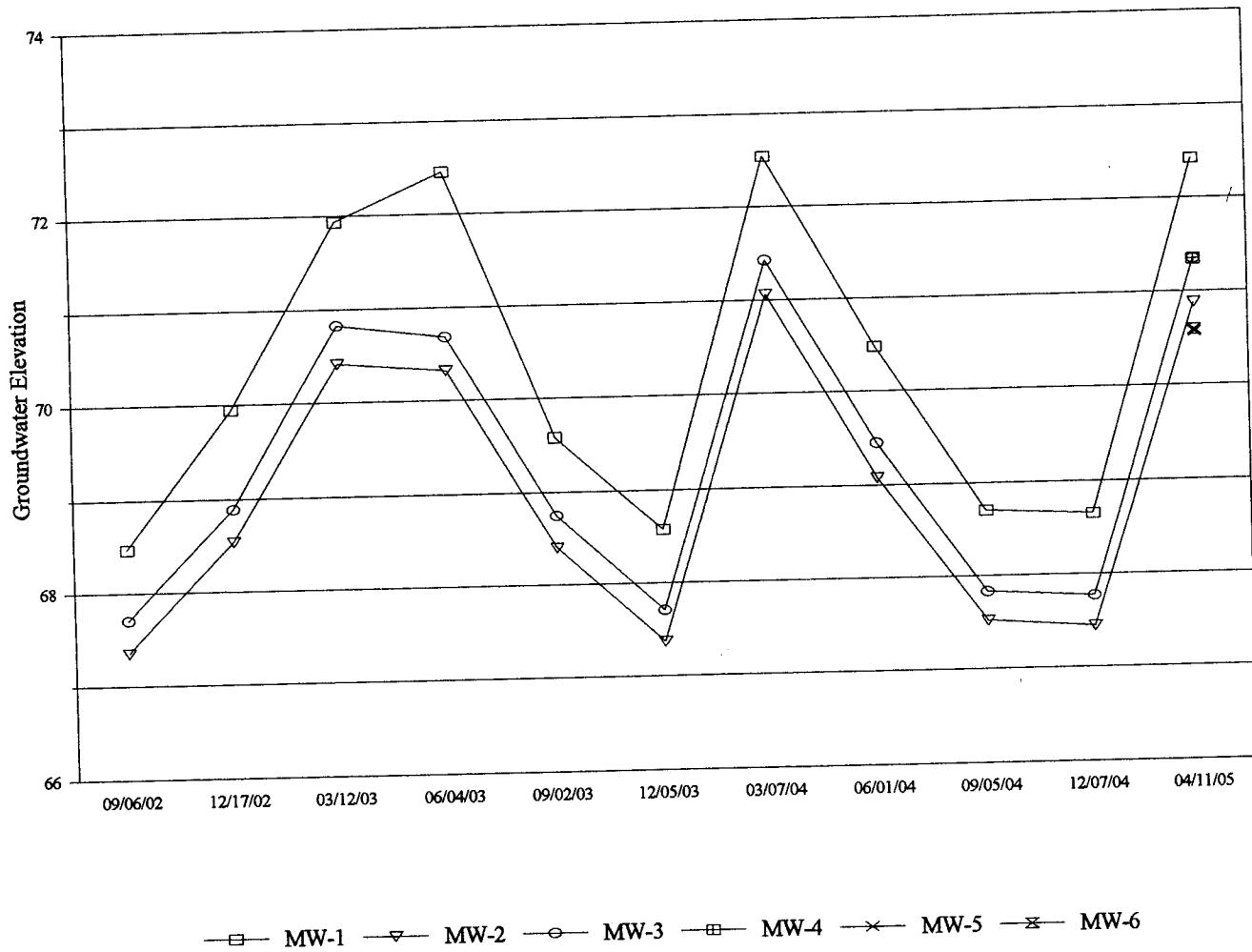
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License No. 743428

Job Number: 1064.01.02

Construction of MW-4, MW-5, and MW-6
500 North Main Street
Fort Bragg, California

PLATE
5

MW4-6.P5



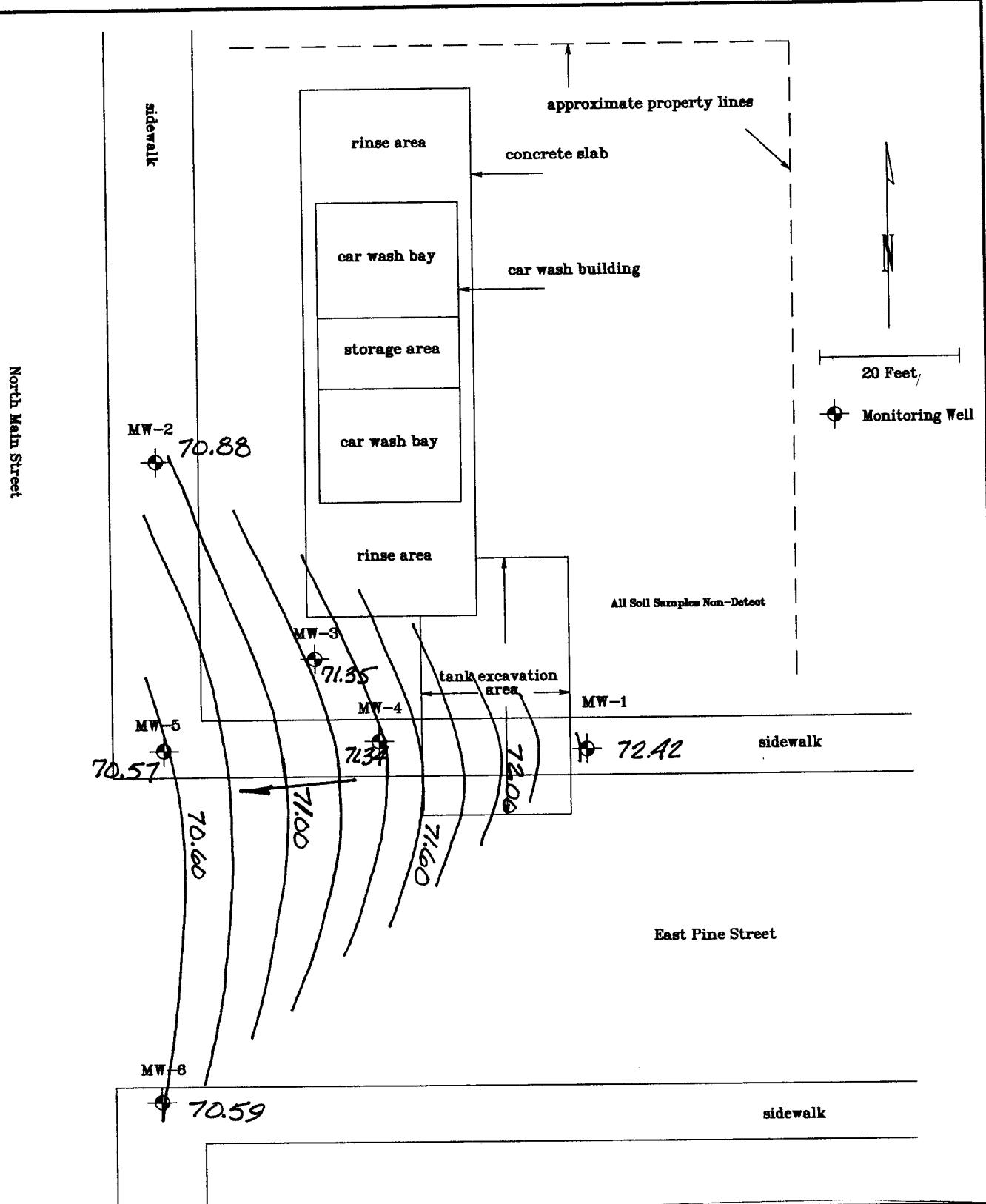
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License No. 743428

Job Number: 1064.01.02

Hydrographs of MW-1 to MW-6
500 North Main Street
Fort Bragg, California

PLATE
6

HYD.P6



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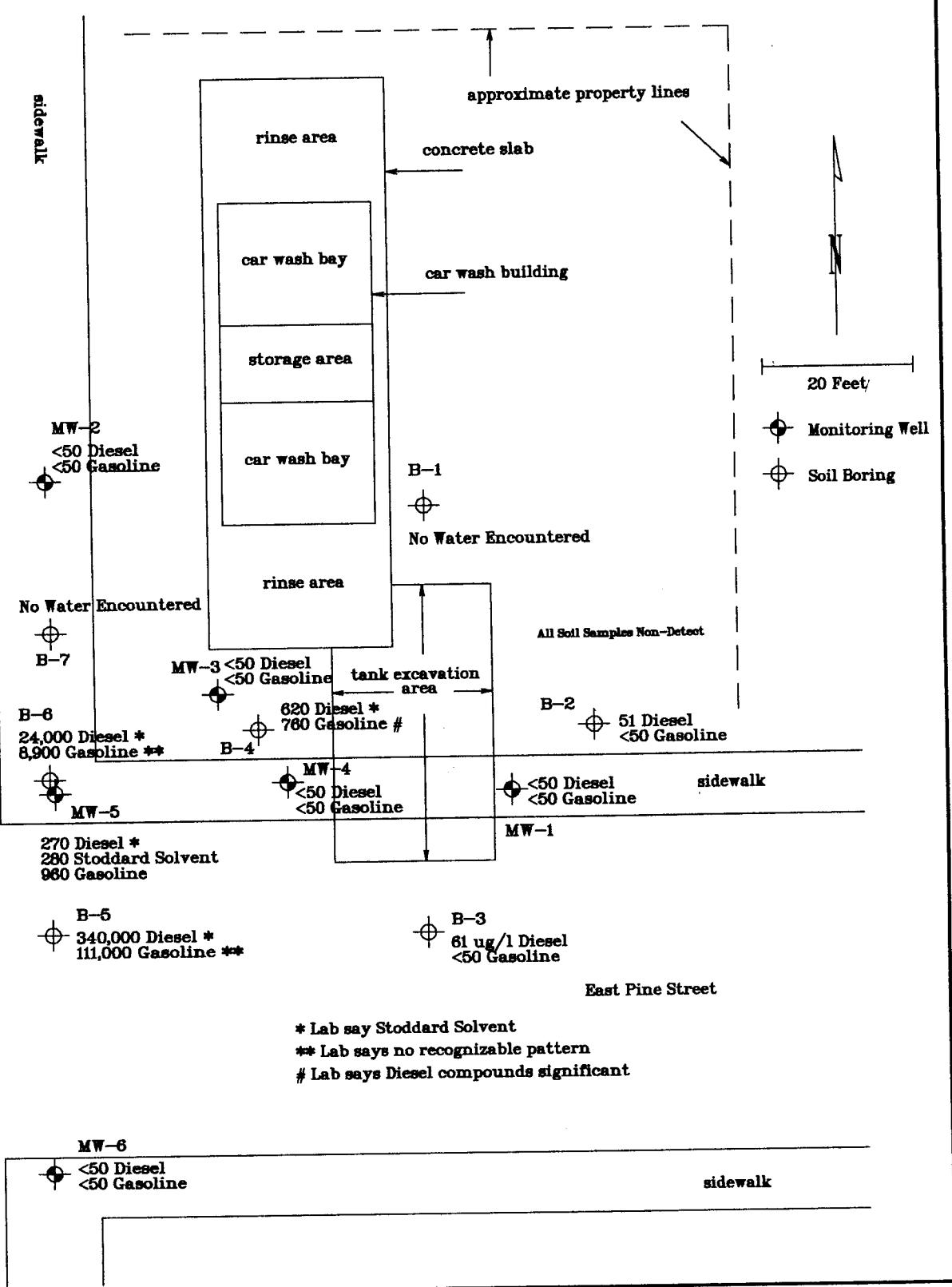
Job Number: 1084.01.02

Water Level Contours – 04/11/05
500 North Main Street
Fort Bragg, California

PLATE
7

QTRP7A

North Main Street



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License No. 743428

Job Number: 1084.01.02

Boring and Well Water Sample Results
500 North Main Street
Fort Bragg, California

PLATE
8

QTR.P8A

Table 1 - Analytical Results of Soil Samples from Borings at 500 North Main Street, Fort Bragg

LAB NOTES	TPH as DIESEL	TPH as GASOLINE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES	DPE	ETBE	MTBE	TAME	TB
			mg/kg	mg/kg	mg/kg	mg/kg			ug/kg		
B-1 @ 10	11/17/00	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<25
B-2 @ 10	11/17/00	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<25
B-3 @ 10	11/17/00	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<25
B-3 @ 15	11/17/00	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<25
B-4 @ 10	11/17/00	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<25
B-5 @ 11	07/02/02	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<50
B-6 @ 11	07/02/02	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<50
MW-1 @ 11	07/01/02	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<50
MW-2 @ 11	07/01/02	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<50
MW-3 @ 11	07/01/02	<1.0	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<50
MW-4 @ 10	04/07/05	1	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<25
MW-4 @ 15	04/07/05	1	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<25
MW-5 @ 5	04/07/05	1	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<25
MW-5 @ 10	04/07/05	1	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<25
MW-5@ 15	04/07/05	1,2,3	68	230	<0.10	0.14	0.34	<100	<100	<100	<500
MW-6 @ 5	04/08/05	1	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<50
MW-6 @ 10	04/08/05	1	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<50
MW-6 @ 15	04/08/05	1	<1.0	<0.005	<0.005	<0.005	<0.005	<5.0	<5.0	<5.0	<50

1 - All VOCs by 8260 ND

2 - Diesel is stoddard solvent /mineral spirit

3 - Gasoline has no recognizable pattern

Table 2 - Water Level Depths and Elevations at 500 North Main Street, Fort Bragg

Table 3 - Analytical Results of Water Samples from Wells at 500 North Main Street, Fort Bragg

LAB NOTES	TPH as DIESEL	TPH as GASOLINE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLINES	DIPE	ETBE	MTBE	TAME	TB		
												ug/l	ug/l
<i>MW-1</i>	07/03/02	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	09/06/02	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/17/02	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	03/12/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	06/04/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	09/02/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/05/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	03/07/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	06/01/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	09/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/07/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	04/11/05	1	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
<i>MW-2</i>	07/03/02	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	09/06/02	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/17/02	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	03/12/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	06/04/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	09/02/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/05/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	03/07/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	06/01/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	09/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/07/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	04/11/05	2	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
<i>MW-3</i>	07/03/02	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	09/06/02	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/17/02	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	03/12/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	06/04/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	09/02/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/05/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	03/07/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	06/01/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	09/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	12/07/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	04/11/05	3	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
<i>MW-4</i>	04/11/05	4	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
<i>MW-5</i>	04/11/05	5	270	960	<0.5	<0.5	0.97	6.6	<0.5	<0.5	<0.5	<5.0	
<i>MW-6</i>	04/11/05	6	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	

- Lab Notes:
- VOCs: Chloroform - 0.62 ug/l, Carbon Disulfide - 2.3 ug/l
 - VOCs: Chloroform - 1.1 ug/l
 - VOCs: Chloroform - 0.77 ug/l, Carbon Disulfide - 1.5 ug/l
 - VOCs: Chloroform - 0.60 ug/l, Carbon Disulfide - 16 ug/l
 - TPH as Stoddard Solvent - 280 ug/l, TPH as Kerosene - 510 ug/l, TPH as Diesel characterized as Stoddard Solvent/Mineral Spirit
 - VOCs: n-Butyl benzene - 0.87 ug/l, sec-Butyl benzene - 1.8 ug/l, Carbon Disulfide - 1.3 ug/l, 4-Isopropyl toluene - 0.59 ug/l, Naphthalene - 3.4 ug/l
 - VOCs: Carbon Disulfide - 2.9 ug/l

Table 4 - Analytical Results of Water Samples from Borings at 500 North Main Street, Fort Bragg

LAB NOTES	TPH as DIESEL	TPH as GASOLINE	BENZENE	TOLUENE	ETHYL-BENZENE	XYLINES	DIPE	ETBE	MTBE	TAME	TB		
												ug/l	ug/l
<i>B-2 Water</i>	11/17/00	1	51	<50	0.55	0.78	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<5.0
<i>B-3 Water</i>	11/17/00	1	61	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<1.0	<5.0
<i>B-4 Water</i>	11/17/00	2	620	760	<0.5	<0.5	3.2	3.5	<1.0	<1.0	<1.0	<1.0	<5.0
<i>B-5 Water</i>	07/02/02	3	310,000	111,000	<5.0	46	370	420	<0.5	<0.5	<0.5	<0.5	<5.0
<i>B-6 Water</i>	07/02/02	4	24,000	8,900	<10	<10	12	24	<0.5	<0.5	<0.5	<0.5	<5.0

- Lab Notes:
- Diesel range compounds significant, no recognizable pattern.
 - Diesel trace has medium boiling point pattern that does not match diesel (Stoddard solvent?).
 - Gasoline trace - strongly aged gasoline or diesel range compounds are significant, but no recognizable pattern.
 - Diesel trace is Stoddard solvent, gasoline trace is strongly aged gasoline or diesel range compounds with no recognizable pattern, and lighter-than-water immiscible sheen/product is present.
 - Diesel trace is Stoddard solvent, gasoline trace has no recognizable pattern, and lighter-than-water immiscible sheen/product is present.



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The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/07/05-04/08/05
		Date Received: 04/13/05
	Client Contact: Don McEdwards	Date Extracted: 04/13/05
	Client P.O.:	Date Analyzed: 04/13/05-04/14/05

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B

Analytical methods: SW8021B/8015Cm

Work Order: 0504170

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.



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The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/07/05-04/08/05
		Date Received: 04/13/05
	Client Contact: Don McEdwards	Date Extracted: 04/13/05
	Client P.O.:	Date Analyzed: 04/13/05

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C

Analytical methods: SW8015C

Work Order: 0504170

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	ug/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.



The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/07/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/14/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504170

Lab ID	0504170-002A				
Client ID	MW-4@15.0				
Matrix	Soil				
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND
Benzene	ND	1.0	0.005	Bromobenzene	ND
Bromoform	ND	1.0	0.005	Bromodichloromethane	ND
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND
Chloroform	ND	1.0	0.005	Chloromethane	ND
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropene	ND
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropene	ND
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropene	ND
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND

Surrogate Recoveries (%)

%SS1:	87	%SS2:	102
%SS3:	115		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

(h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/07/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/14/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504170

Lab ID	0504170-001A					
Client ID	MW-4@10.0					
Matrix	Soil					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0
Bromoform	ND	1.0	0.005	Bromodichloromethane	ND	1.0
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0

Surrogate Recoveries (%)

%SS1:	88	%SS2:	104
%SS3:	115		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/07/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/14/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504170

Lab ID	0504170-003A		
Client ID	MW-5@5.0		
Matrix	Soil		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.025
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	89	%SS2:	107
%SS3:	119		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/07/05 Date Received: 04/13/05
	Client Contact: Don McEdwards	Date Extracted: 04/13/05
	Client P.O.:	Date Analyzed: 04/14/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504170

Lab ID	0504170-004A						
Client ID	MW-5@10.0						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.025
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	88	%SS2:	107
%SS3:	120		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/07/05
		Date Received: 04/13/05
	Client Contact: Don McEdwards	Date Extracted: 04/13/05
	Client P.O.:	Date Analyzed: 04/14/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504170

Lab ID	0504170-005A					
Client ID	MW-5@15.0					
Matrix	Soil					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF
Acetone	ND<1.0	20	0.05	Acrolein (Propenal)	ND<1.0	20
Acrylonitrile	ND<0.40	20	0.02	tert-Amyl methyl ether (TAME)	ND<0.10	20
Benzene	ND<0.10	20	0.005	Bromobenzene	ND<0.10	20
Bromochloromethane	ND<0.10	20	0.005	Bromodichloromethane	ND<0.10	20
Bromoform	ND<0.10	20	0.005	Bromomethane	ND<0.10	20
2-Butanone (MEK)	ND<0.40	20	0.02	t-Butyl alcohol (TBA)	ND<0.50	20
n-Butyl benzene	ND<0.10	20	0.005	sec-Butyl benzene	ND<0.10	20
tert-Butyl benzene	ND<0.10	20	0.005	Carbon Disulfide	ND<0.10	20
Carbon Tetrachloride	ND<0.10	20	0.005	Chlorobenzene	ND<0.10	20
Chloroethane	ND<0.10	20	0.005	2-Chloroethyl Vinyl Ether	ND<0.20	20
Chloroform	ND<0.10	20	0.005	Chloromethane	ND<0.10	20
2-Chlorotoluene	ND<0.10	20	0.005	4-Chlorotoluene	ND<0.10	20
Dibromochloromethane	ND<0.10	20	0.005	1,2-Dibromo-3-chloropropane	ND<0.10	20
1,2-Dibromoethane (EDB)	ND<0.10	20	0.005	Dibromomethane	ND<0.10	20
1,2-Dichlorobenzene	ND<0.10	20	0.005	1,3-Dichlorobenzene	ND<0.10	20
1,4-Dichlorobenzene	ND<0.10	20	0.005	Dichlorodifluoromethane	ND<0.10	20
1,1-Dichloroethane	ND<0.10	20	0.005	1,2-Dichloroethane (1,2-DCA)	ND<0.10	20
1,1-Dichloroethene	ND<0.10	20	0.005	cis-1,2-Dichloroethene	ND<0.10	20
trans-1,2-Dichloroethene	ND<0.10	20	0.005	1,2-Dichloropropene	ND<0.10	20
1,3-Dichloropropane	ND<0.10	20	0.005	2,2-Dichloropropane	ND<0.10	20
1,1-Dichloropropene	ND<0.10	20	0.005	cis-1,3-Dichloropropene	ND<0.10	20
trans-1,3-Dichloropropene	ND<0.10	20	0.005	Diisopropyl ether (DIPE)	ND<0.10	20
Ethylbenzene	ND<0.10	20	0.005	Ethyl tert-butyl ether (ETBE)	ND<0.10	20
Freon 113	ND<2.0	20	0.1	Hexachlorobutadiene	ND<0.10	20
Hexachloroethane	ND<0.10	20	0.005	2-Hexanone	ND<0.10	20
Isopropylbenzene	ND<0.10	20	0.005	4-Isopropyl toluene	ND<0.10	20
Methyl-t-butyl ether (MTBE)	ND<0.10	20	0.005	Methylene chloride	ND<0.10	20
4-Methyl-2-pentanone (MIBK)	ND<0.10	20	0.005	Naphthalene	ND<0.10	20
Nitrobenzene	ND<2.0	20	0.1	n-Propyl benzene	ND<0.10	20
Styrene	ND<0.10	20	0.005	1,1,1,2-Tetrachloroethane	ND<0.10	20
1,1,2,2-Tetrachloroethane	ND<0.10	20	0.005	Tetrachloroethene	ND<0.10	20
Toluene	ND<0.10	20	0.005	1,2,3-Trichlorobenzene	ND<0.10	20
1,2,4-Trichlorobenzene	ND<0.10	20	0.005	1,1,1-Trichloroethane	ND<0.10	20
1,1,2-Trichloroethane	ND<0.10	20	0.005	Trichloroethene	ND<0.10	20
Trichlorofluoromethane	ND<0.10	20	0.005	1,2,3-Trichloropropane	ND<0.10	20
1,2,4-Trimethylbenzene	ND<0.10	20	0.005	1,3,5-Trimethylbenzene	ND<0.10	20
Vinyl Chloride	ND<0.10	20	0.005	Xylenes	ND<0.10	20

Surrogate Recoveries (%)

%SS1:	91	%SS2:	100
%SS3:	119		

Comments: j

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/08/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/14/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504170

Lab ID	0504170-006A				
Client ID	MW-6@5.0				
Matrix	Soil				
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND
Benzene	ND	1.0	0.005	Bromobenzene	ND
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND
Bromoform	ND	1.0	0.005	Bromomethane	ND
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND
Chloroform	ND	1.0	0.005	Chloromethane	ND
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND

Surrogate Recoveries (%)

%SS1:	94	%SS2:	106
%SS3:	117		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/08/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/15/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504170

Lab ID	0504170-007A		
Client ID	MW-6@10.0		
Matrix	Soil		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.025
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropene	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropene	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	87	%SS2:	102
%SS3:	116		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/08/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/14/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504170

Lab ID	0504170-008A					
Client ID	MW-6@15.0					
Matrix	Soil					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0
Bromoform	ND	1.0	0.005	Bromodichloromethane	ND	1.0
2-Butanone (MEK)	ND	1.0	0.02	Bromomethane	ND	1.0
n-Butyl benzene	ND	1.0	0.005	t-Butyl alcohol (TBA)	ND	1.0
tert-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0
Carbon Tetrachloride	ND	1.0	0.005	Carbon Disulfide	ND	1.0
Chloroethane	ND	1.0	0.005	Chlorobenzene	ND	1.0
Chloroform	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0
2-Chlorotoluene	ND	1.0	0.005	Chloromethane	ND	1.0
Dibromochloromethane	ND	1.0	0.005	4-Chlorotoluene	ND	1.0
1,2-Dibromoethane (EDB)	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0
1,2-Dichlorobenzene	ND	1.0	0.005	Dibromomethane	ND	1.0
1,4-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0
1,1-Dichloroethane	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0
1,1-Dichloroethene	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0
trans-1,2-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0
1,3-Dichloropropane	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0
1,1-Dichloropropene	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0
trans-1,3-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0
Ethylbenzene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0
Freon 113	ND	1.0	0.1	Ethyl tert-butyl ether (ETBE)	ND	1.0
Hexachloroethane	ND	1.0	0.005	Ethylbenzene	ND	1.0
Isopropylbenzene	ND	1.0	0.005	Hexachlorobutadiene	ND	1.0
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	2-Hexanone	ND	1.0
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0
Nitrobenzene	ND	1.0	0.1	Methylene chloride	ND	1.0
Styrene	ND	1.0	0.005	Naphthalene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	n-Propyl benzene	ND	1.0
Toluene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0
1,2,4-Trichlorobenzene	ND	1.0	0.005	Tetrachloroethene	ND	1.0
1,1,2-Trichloroethane	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloroethane	ND	1.0
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0
Vinyl Chloride	ND	1.0	0.005	Trichloroethene	ND	1.0

Surrogate Recoveries (%)

%SS1:	87	%SS2:	104
%SS3:	116		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0504170

EPA Method: SW8021B/8015Cm		Extraction: SW5030B		BatchID: 15835			Spiked Sample ID: 0504153-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) ^E	ND	0.60	97.6	98.2	0.613	95.8	99.4	3.72	70 - 130	70 - 130
MTBE	ND	0.10	101	100	0.892	82.5	81.6	1.13	70 - 130	70 - 130
Benzene	ND	0.10	105	109	3.66	109	107	1.37	70 - 130	70 - 130
Toluene	ND	0.10	83.2	86.4	3.72	86.6	90.3	4.15	70 - 130	70 - 130
Ethylbenzene	ND	0.10	103	106	2.55	109	111	2.30	70 - 130	70 - 130
Xylenes	ND	0.30	90.7	91.7	1.10	91.3	96.3	5.33	70 - 130	70 - 130
%SS:	93	0.10	110	114	3.57	119	116	2.55	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 15835 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504170-001A	4/07/05 2:00 PM	4/13/05	4/13/05 11:48 PM	0504170-002A	4/07/05 2:10 PM	4/13/05	4/14/05 12:17 AM
0504170-003A	4/07/05 11:00 AM	4/13/05	4/14/05 12:47 AM	0504170-004A	4/07/05 11:15 AM	4/13/05	4/14/05 1:16 AM
0504170-005A	4/07/05 11:20 AM	4/13/05	4/14/05 1:45 AM	0504170-006A	4/08/05 10:30 AM	4/13/05	4/14/05 3:13 AM
0504170-007A	4/08/05 10:40 AM	4/13/05	4/14/05 3:43 AM	0504170-008A	4/08/05 10:50 AM	4/13/05	4/14/05 4:12 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

^E TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0504170

EPA Method: SW8015C		Extraction: SW3550C			BatchID: 15844			Spiked Sample ID: 0504170-008A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	ND	20	100	99.4	0.957	101	101	0	70 - 130	70 - 130
%SS:	90	50	96	95	0.873	100	100	0	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 15844 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504170-001A	4/07/05 2:00 PM	4/13/05	4/13/05 2:13 PM	0504170-002A	4/07/05 2:10 PM	4/13/05	4/13/05 3:19 PM
0504170-003A	4/07/05 11:00 AM	4/13/05	4/13/05 2:13 PM	0504170-004A	4/07/05 11:15 AM	4/13/05	4/13/05 3:19 PM
0504170-005A	4/07/05 11:20 AM	4/13/05	4/13/05 4:25 PM	0504170-006A	4/08/05 10:30 AM	4/13/05	4/13/05 4:25 PM
0504170-007A	4/08/05 10:40 AM	4/13/05	4/13/05 4:48 PM	0504170-008A	4/08/05 10:50 AM	4/13/05	4/13/05 1:34 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

 QA/QC Officer



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0504170

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 15807			Spiked Sample ID: 0504138-001A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	0.050	105	101	3.06	104	103	0.685	70 - 130	70 - 130
Benzene	ND	0.050	113	113	0	115	115	0	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	0.25	102	99.5	2.47	102	98.6	3.75	70 - 130	70 - 130
Chlorobenzene	ND	0.050	119	119	0	119	117	1.16	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	0.050	91.8	88.1	4.18	89.4	89.4	0	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	0.050	117	115	1.12	119	120	0.842	70 - 130	70 - 130
1,1-Dichloroethene	ND	0.050	110	103	7.12	111	108	3.04	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	0.050	110	108	1.72	112	110	2.25	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	0.050	103	97.4	5.70	103	102	0.522	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	106	100	5.23	99.1	101	1.66	70 - 130	70 - 130
Toluene	ND	0.050	110	106	3.84	107	110	2.15	70 - 130	70 - 130
Trichloroethene	ND	0.050	102	98.4	3.36	103	103	0	70 - 130	70 - 130
%SS1:	93	0.050	98	99	0.474	100	98	2.25	70 - 130	70 - 130
%SS2:	107	0.050	100	97	3.44	98	98	0	70 - 130	70 - 130
%SS3:	116	0.050	106	108	2.05	113	110	2.27	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 15807 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504170-001A	4/07/05 2:00 PM	4/13/05	4/14/05 4:15 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil

QC Matrix: Soil

WorkOrder: 0504170

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 15845			Spiked Sample ID: 0504170-008A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/kg	mg/kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	0.050	90.9	93.7	3.10	93.2	93.1	0.0730	70 - 130	70 - 130
Benzene	ND	0.050	106	105	1.20	108	109	0.901	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	0.25	89	94.1	5.56	88.3	92.8	4.98	70 - 130	70 - 130
Chlorobenzene	ND	0.050	112	114	1.19	117	118	0.766	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	0.050	84.8	87.6	3.18	86.9	86.8	0.194	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	0.050	110	106	3.28	108	108	0	70 - 130	70 - 130
1,1-Dichloroethene	ND	0.050	97.7	95.7	2.02	104	101	2.95	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	0.050	97.5	99.2	1.73	100	99.8	0.482	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	0.050	91	89.9	1.28	92	91	1.11	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	96.1	97.1	1.02	98	97.2	0.780	70 - 130	70 - 130
Toluene	ND	0.050	103	105	1.91	106	108	1.35	70 - 130	70 - 130
Trichloroethene	ND	0.050	93.9	93.1	0.806	98.1	97.5	0.621	70 - 130	70 - 130
%SS1:	87	0.050	98	96	1.27	97	97	0	70 - 130	70 - 130
%SS2:	104	0.050	98	99	1.22	98	99	0.666	70 - 130	70 - 130
%SS3:	116	0.050	110	110	0	107	109	1.88	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 15845 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504170-002A	4/07/05 2:10 PM	4/13/05	4/14/05 4:57 AM	0504170-003A	4/07/05 11:00 AM	4/13/05	4/14/05 12:42 AM
0504170-004A	4/07/05 11:15 AM	4/13/05	4/14/05 1:25 AM	0504170-005A	4/07/05 11:20 AM	4/13/05	4/14/05 10:59 PM
0504170-006A	4/08/05 10:30 AM	4/13/05	4/14/05 2:08 AM	0504170-007A	4/08/05 10:40 AM	4/13/05	4/15/05 2:32 AM
0504170-008A	4/08/05 10:50 AM	4/13/05	4/14/05 3:32 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

McCAMPBELL ANALYTICAL, INC.

110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Report to:
Don McEdwards
The McEdwards Group
1025 Hearst-Willits Road
Willits, CA 95490-9743

WorkOrder: 0504170

ClientID: TMG

Bill to:
Don McEdwards
The McEdwards Group
1025 Hearst-Willits Road
Willits, CA 95490-9743

TEL: (707) 459-1086
FAX: (707) 459-1084
ProjectNo: #1064.01.02; 500 N. Main St.
PO:

Requested TAT: 5 days

Date Received: 04/13/2005
Date Printed: 04/13/2005

Requested Tests (See legend below)																			
Sample ID	ClientSampleID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0504170-001	MW-4@10.0	Soil	4/7/05 2:00:00 PM	<input type="checkbox"/>	A	A	A	A	A	A	A	A	A	A					
0504170-002	MW-4@15.0	Soil	4/7/05 2:10:00 PM	<input type="checkbox"/>	A	A	A	A	A	A	A	A	A	A					
0504170-003	MW-5@5.0	Soil	4/7/05 11:00:00 AM	<input type="checkbox"/>	A	A	A	A	A	A	A	A	A	A					
0504170-004	MW-5@10.0	Soil	4/7/05 11:15:00 AM	<input type="checkbox"/>	A	A	A	A	A	A	A	A	A	A					
0504170-005	MW-5@15.0	Soil	4/7/05 11:20:00 AM	<input type="checkbox"/>	A	A	A	A	A	A	A	A	A	A					
0504170-006	MW-6@5.0	Soil	4/8/05 10:30:00 AM	<input type="checkbox"/>	A	A	A	A	A	A	A	A	A	A					
0504170-007	MW-6@10.0	Soil	4/8/05 10:40:00 AM	<input type="checkbox"/>	A	A	A	A	A	A	A	A	A	A					
0504170-008	MW-6@15.0	Soil	4/8/05 10:50:00 AM	<input type="checkbox"/>	A	A	A	A	A	A	A	A	A	A					

Test Legend:

1	8260B_S
6	
11	
12	

2	GMBTEX_S
7	
13	
14	

3	PREDF REPORT
8	
13	
14	

4	TPH(DMO)_S
9	
10	
15	

Prepared by: Maria Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.



McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/11/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/18/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504172

Lab ID	0504172-001C					
Client ID	MW-1					
Matrix	Water					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	2.3	1.0
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0
Chloroform	0.62	1.0	0.5	Chloromethane	ND	1.0
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0

Surrogate Recoveries (%)

%SS1:	102	%SS2:	101
%SS3:	110		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/11/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/19/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504172

Lab ID	0504172-002C					
Client ID	MW-2					
Matrix	Water					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0
Chloroform	1.1	1.0	0.5	Chloromethane	ND	1.0
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0

Surrogate Recoveries (%)

%SS1:	103	%SS2:	99
%SS3:	110		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



McCampbell Analytical, Inc.

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Website: www.mccampbell.com E-mail: main@mccampbell.com

The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/11/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/19/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504172

Lab ID	0504172-003C					
Client ID	MW-3					
Matrix	Water					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	1.5	1.0
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0
Chloroform	0.77	1.0	0.5	Chloromethane	ND	1.0
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0

Surrogate Recoveries (%)

%SS1:	101	%SS2:	98
%SS3:	112		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/11/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/19/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504172

Lab ID	0504172-004C					
Client ID	MW-4					
Matrix	Water					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	16	1.0
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0
Chloroform	0.60	1.0	0.5	Chloromethane	ND	1.0
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0

Surrogate Recoveries (%)

%SS1:	102	%SS2:	99
%SS3:	108		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/11/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/19/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504172

Lab ID	0504172-005C					
Client ID	MW-5					
Matrix	Water					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0
n-Butyl benzene	0.87	1.0	0.5	sec-Butyl benzene	1.8	1.0
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	1.3	1.0
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	0.59	1.0
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	3.4	1.0
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0

Surrogate Recoveries (%)

%SS1:	95	%SS2:	89
%SS3:	98		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/11/05
	Client Contact: Don McEdwards	Date Received: 04/13/05
	Client P.O.:	Date Extracted: 04/13/05
		Date Analyzed: 04/19/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0504172

Lab ID	0504172-006C					
Client ID	MW-6					
Matrix	Water					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	2.9	1.0
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0

Surrogate Recoveries (%)

%SS1:	104	%SS2:	99
%SS3:	113		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/11/05
		Date Received: 04/13/05
	Client Contact: Don McEdwards	Date Extracted: 04/13/05-04/14/05
	Client P.O.:	Date Analyzed: 04/13/05-04/14/05

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B

Analytical Method: SW8021B/8015Cm

Work Order: 0504172

Lab ID	0504172-001A	0504172-002A	0504172-003A	0504172-004A	Reporting Limit for DF=1	
Client ID	MW-1	MW-2	MW-3	MW-4		
Matrix	W	W	W	W	S	W
DF	1	1	1	1		
Compound	Concentration				ug/kg	μg/L
TPH(g)	ND	ND	ND	ND	NA	50
TPH(ss)	ND	ND	ND	ND	NA	50
MTBE	ND	ND	ND	ND	NA	5.0
Benzene	ND	ND	ND	ND	NA	0.5
Toluene	ND	ND	ND	ND	NA	0.5
Ethylbenzene	ND	ND	ND	ND	NA	0.5
Xylenes	ND	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	100	96.0	99.0	101		
Comments						

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in μg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.



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		Date Received: 04/13/05
	Client Contact: Don McEdwards	Date Extracted: 04/13/05-04/14/05
	Client P.O.:	Date Analyzed: 04/13/05-04/14/05

Gasoline Range (C6-C12) Stoddard Solvent Range (C9-C12) Volatile Hydrocarbons with BTEX & MTBE*

Extraction Method: SW5030B

Analytical Method: SW8021B/8015Cm

Work Order: 0504172

Lab ID	0504172-005A	0504172-006A				
Client ID	MW-5	MW-6				
Matrix	W	W				
DF	1	1				
Compound	Concentration					ug/kg
TPH(g)	960	ND				NA
TPH(ss)	280	ND				NA
MTBE	ND	ND				NA
Benzene	ND	ND				NA
Toluene	ND	ND				NA
Ethylbenzene	0.97	ND				NA
Xylenes	6.6	ND				NA
Surrogate Recoveries (%)						
%SS:	117	104				
Comments	m					

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.



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The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1064.01.02; 500 N. Main St.	Date Sampled: 04/11/05
		Date Received: 04/13/05
	Client Contact: Don McEdwards	Date Extracted: 04/13/05
	Client P.O.:	Date Analyzed: 04/14/05

Diesel (C10-C23), Kerosene (C9-C18) and Oil (C18+) Range Extractable Hydrocarbons as Diesel, Kerosene and Motor Oil*

Extraction method: SW3510C

Analytical methods: SW8015C

Work Order: 0504172

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	50	250	$\mu\text{g/L}$
	S	NA	NA	NA	mg/Kg

* water samples are reported in ug/L, wipe samples in $\mu\text{g}/\text{wipe}$, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in $\mu\text{g}/\text{L}$.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0504172

EPA Method: SW8021B/8015Cm		Extraction: SW5030B		BatchID: 15817			Spiked Sample ID: 0504149-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
MTBE	ND	10	94.1	96.3	2.37	92.9	91.7	1.35	70 - 130	70 - 130
Benzene	ND	10	106	109	2.78	94.2	97.2	3.13	70 - 130	70 - 130
Toluene	ND	10	104	106	2.67	94.9	97.3	2.45	70 - 130	70 - 130
Ethylbenzene	ND	10	105	108	2.48	95.3	101	5.58	70 - 130	70 - 130
Xylenes	ND	30	91	95	4.30	86	90.3	4.91	70 - 130	70 - 130
%SS:	110	10	116	115	1.22	102	105	3.50	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 15817 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504172-001A	4/11/05 1:30 PM	4/13/05	4/13/05 9:42 PM	0504172-002A	4/11/05 2:30 PM	4/13/05	4/13/05 10:14 PM
0504172-003A	4/11/05 2:00 PM	4/13/05	4/13/05 10:47 PM	0504172-004A	4/11/05 3:00 PM	4/13/05	4/13/05 11:19 PM
0504172-005A	4/11/05 4:00 PM	4/13/05	4/13/05 11:51 PM	0504172-006A	4/11/05 3:30 PM	4/14/05	4/14/05 1:28 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

Σ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0504172

EPA Method: SW8015C		Extraction: SW3510C			BatchID: 15818			Spiked Sample ID: N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	102	102	0	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	84	84	0	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 15818 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504172-001B	4/11/05 1:30 PM	4/13/05	4/14/05 12:56 AM	0504172-002B	4/11/05 2:30 PM	4/13/05	4/14/05 2:04 AM
0504172-003B	4/11/05 2:00 PM	4/13/05	4/14/05 3:12 AM	0504172-004B	4/11/05 3:00 PM	4/13/05	4/14/05 4:21 AM
0504172-005B	4/11/05 4:00 PM	4/13/05	4/14/05 5:29 AM	0504172-006B	4/11/05 3:30 PM	4/13/05	4/14/05 6:37 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = $100 * (\text{MS-Sample}) / (\text{Amount Spiked})$; RPD = $100 * (\text{MS} - \text{MSD}) / ((\text{MS} + \text{MSD}) / 2)$.

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

QA/QC Officer



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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0504172

EPA Method: SW8260B		Extraction: SW5030B			BatchID: 15843			Spiked Sample ID: 0504169-007B		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	10	90.7	90.5	0.218	89.8	90.4	0.731	70 - 130	70 - 130
Benzene	ND	10	103	105	1.44	100	102	1.82	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	80	84.2	5.08	88.5	83	6.32	70 - 130	70 - 130
Chlorobenzene	ND	10	115	115	0	109	111	2.30	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	10	84.5	84.9	0.500	80.8	81.6	1.06	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	102	108	5.53	102	105	2.59	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	93.7	97.3	3.78	97.3	96.6	0.717	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	96.9	96.8	0.0420	94.4	96.1	1.73	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	86.8	88.4	1.80	87.2	88.8	1.79	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	91.8	93.3	1.62	92.3	91	1.46	70 - 130	70 - 130
Toluene	ND	10	107	104	2.94	98.7	100	1.27	70 - 130	70 - 130
Trichloroethylene	ND	10	93.2	94	0.863	91.3	91.7	0.355	70 - 130	70 - 130
%SS1:	102	10	94	97	3.21	96	95	0.842	70 - 130	70 - 130
%SS2:	99	10	100	98	2.60	98	99	0.379	70 - 130	70 - 130
%SS3:	112	10	108	108	0	108	109	1.11	70 - 130	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 15843 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0504172-001C	4/11/05 1:30 PM	4/18/05	4/18/05 11:46 PM	0504172-002C	4/11/05 2:30 PM	4/19/05	4/19/05 12:29 AM
0504172-003C	4/11/05 2:00 PM	4/19/05	4/19/05 1:12 AM	0504172-004C	4/11/05 3:00 PM	4/19/05	4/19/05 1:54 AM
0504172-005C	4/11/05 4:00 PM	4/19/05	4/19/05 2:37 AM	0504172-006C	4/11/05 3:30 PM	4/19/05	4/19/05 3:19 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer _____

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7

PACHECO, CA 94553-5560

Telephone: (925) 798-1622

Fax: (925) 798-1622

Bill To: SAME

Report To: Don McEdwards

Company: The McEdwards Group

1025 Hearst-Willits Road

Willits, CA 95490-9743

E-Mail: TMG@INSTAWATE.NET

Fax: (707) 459-1084

Project Name: 500 N. Main St.

Project Location: Fort Bragg, California

Sampler Signature:

Don McEdwards

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING		# Containers	TYPE Containers	MATRIX	METHOD PRESERVED	Other	Analysis Request	
		Date	Time							
MW-1		1/20/02	4:00 PM	4	Vials	Water	HCl	HNO ₃	EPA 608 / 8080	
"		"	"	1	TC	"	"	"	EPA 624 / 8240	
MW-2		1/20/02	4:00 PM	4	Vials	Water	HCl	HNO ₃	EPA 625 / 8270	
"		"	"	1	TC	"	"	"	PAH's / PNA's by EPA 625 / 8270 / 8310	
MW-3		1/20/02	4:00 PM	4	Vials	Water	HCl	HNO ₃	EPA 625 / 8270	
"		"	"	1	TC	"	"	"	ICP / GC/MS	
MW-4		1/20/02	4:00 PM	4	Vials	Water	HCl	HNO ₃	EPA 601 / 8010	
"		"	"	1	TC	"	"	"	TPH & Diesel (8015)	
MW-5		1/20/02	4:00 PM	4	Vials	Water	HCl	HNO ₃	BTEX ONLY (EPA 602 / 8020)	
"		"	"	1	TC	"	"	"	Total Petroleum Oil & Grease (5520 E&F/B&F)	
MW-6		1/20/02	4:00 PM	4	Vials	Water	HCl	HNO ₃	TOTAL Petroleum Hydrocarbons (418.1)	
"		"	"	1	TC	"	"	"	TPH & TPH as Gas (602/8020 + 8015)	

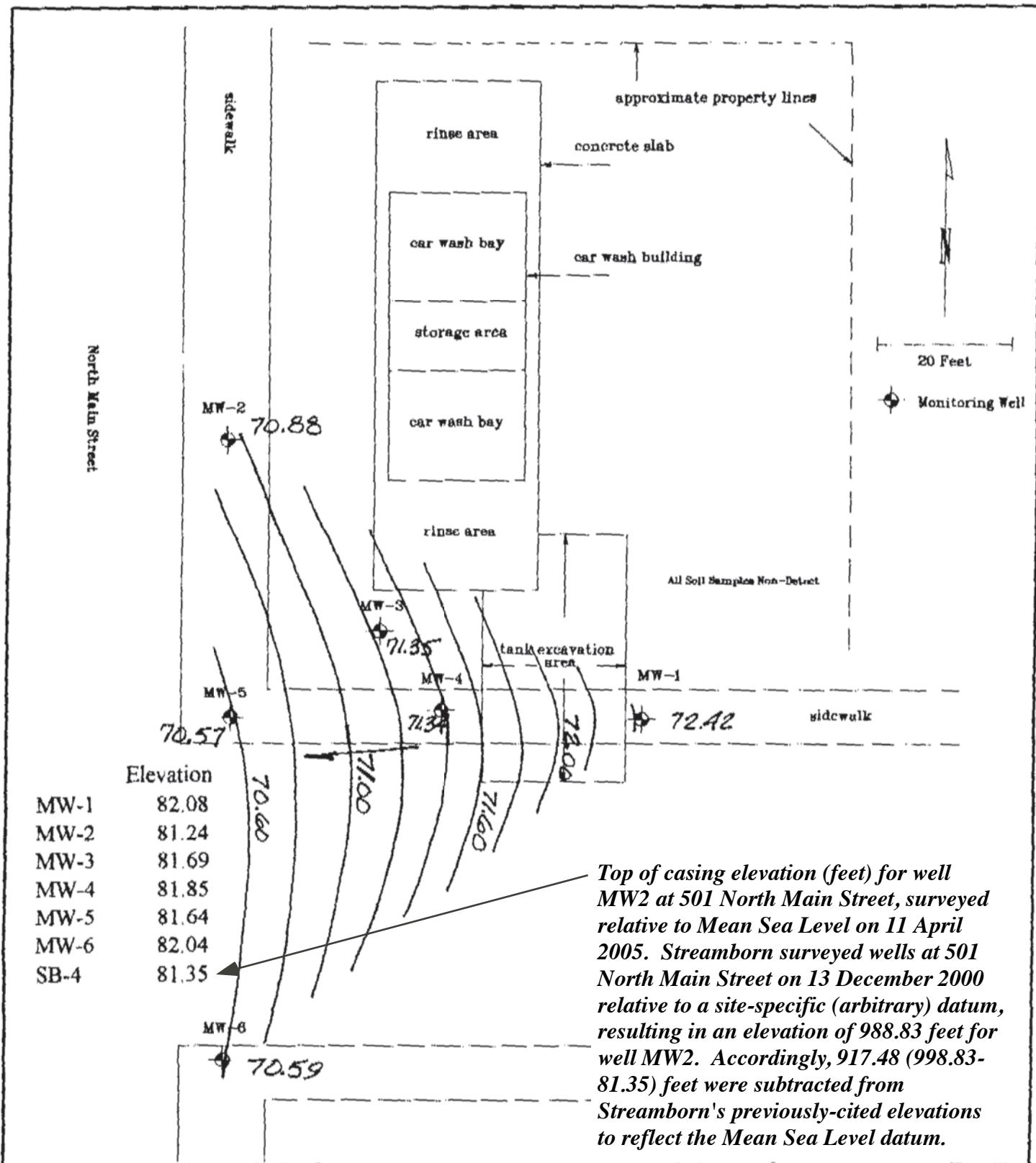
REINQUISITIONED BY:	DATE:	TIME:	RECEIVED BY:	PRESERVATION APPROPRIATE
<i>Don McEdwards</i>				ICE / Good Condition HEAD SPACE ABSENT
				CONTAINERS DECHLORINATED IN LAB

Note: Lab to provide chromatograms and area-percent report for TPH-extractables and TPH-gasoline with the results. Lab to ensure that the baseline is explicitly shown on all the chromatograms. Lab to overlay chromatograms and compare the area-percent reports from these samples with (1) previous chromatograms for B-5 and B-6 from 500 North Main Street dated July, 2002 and (2) McEdwards water samples from 500 North Main Street dated April, 2005. Lab to make statements regarding the similarity and/or differences between the chromatograms. Lab to make sure that Streakeen and McEdwards samples are analyzed by the same instruments and in the same batch. To the extent practical, lab to analyze these samples using the same equipment and set up as the July, 2002 analyses of B-5 and B-6 to facilitate a direct comparison. Any questions - contact Oach Cao of McCampbell. Figure 1 of Research 510-538-4745 and Tom Warner of the RWC/SLI (707) 436-2631

note

ATTACHMENT 4

Survey Performed on Behalf of the
McEdwards Group



THE McEDWARDS GROUP
Consultants and Contractors
License No. 743428

Job Number: 1064.01.02

Water Level Contours – 04/11/05
500 North Main Street
Fort Bragg, California

PLATE

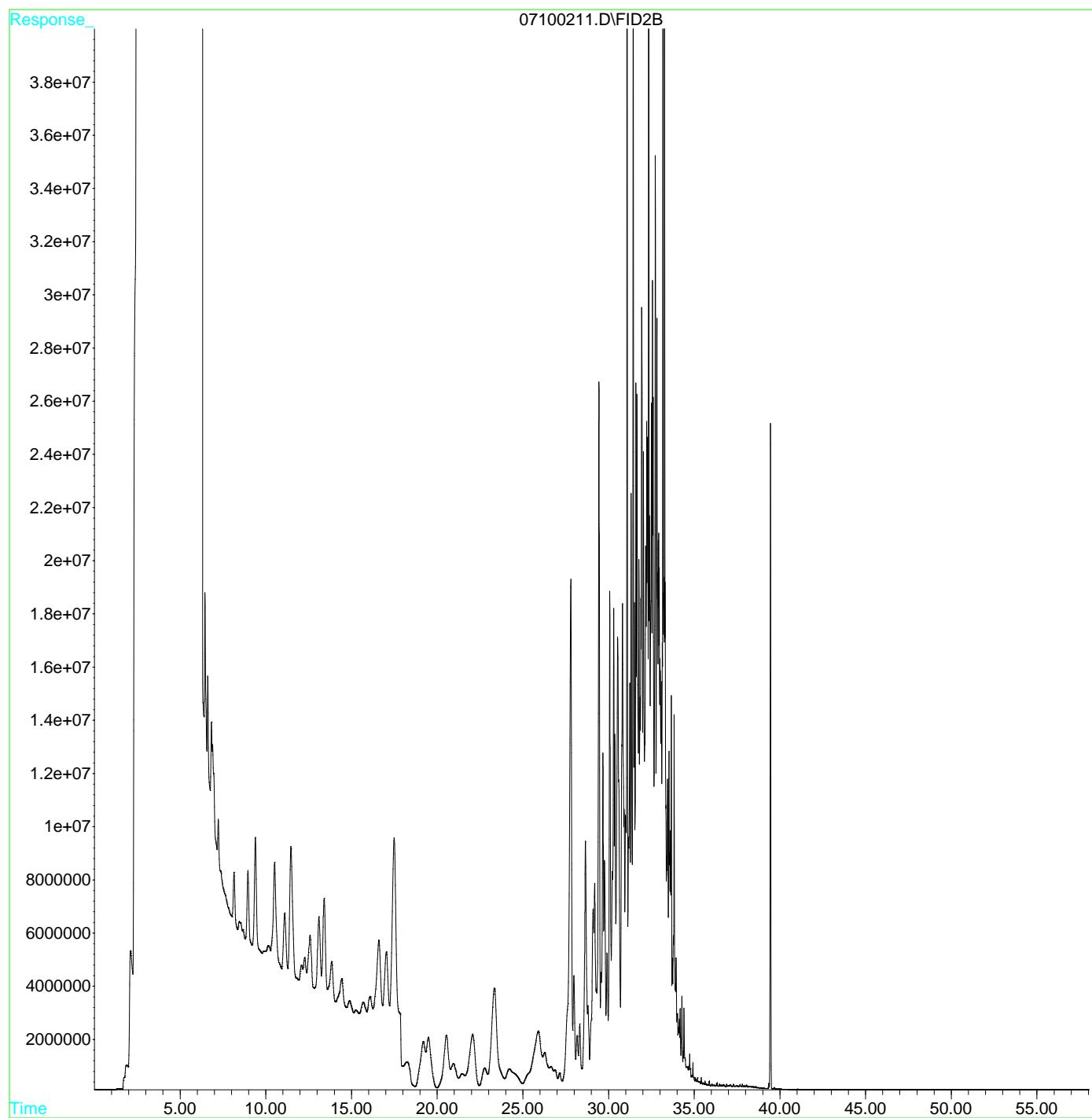
7

QTRP7A

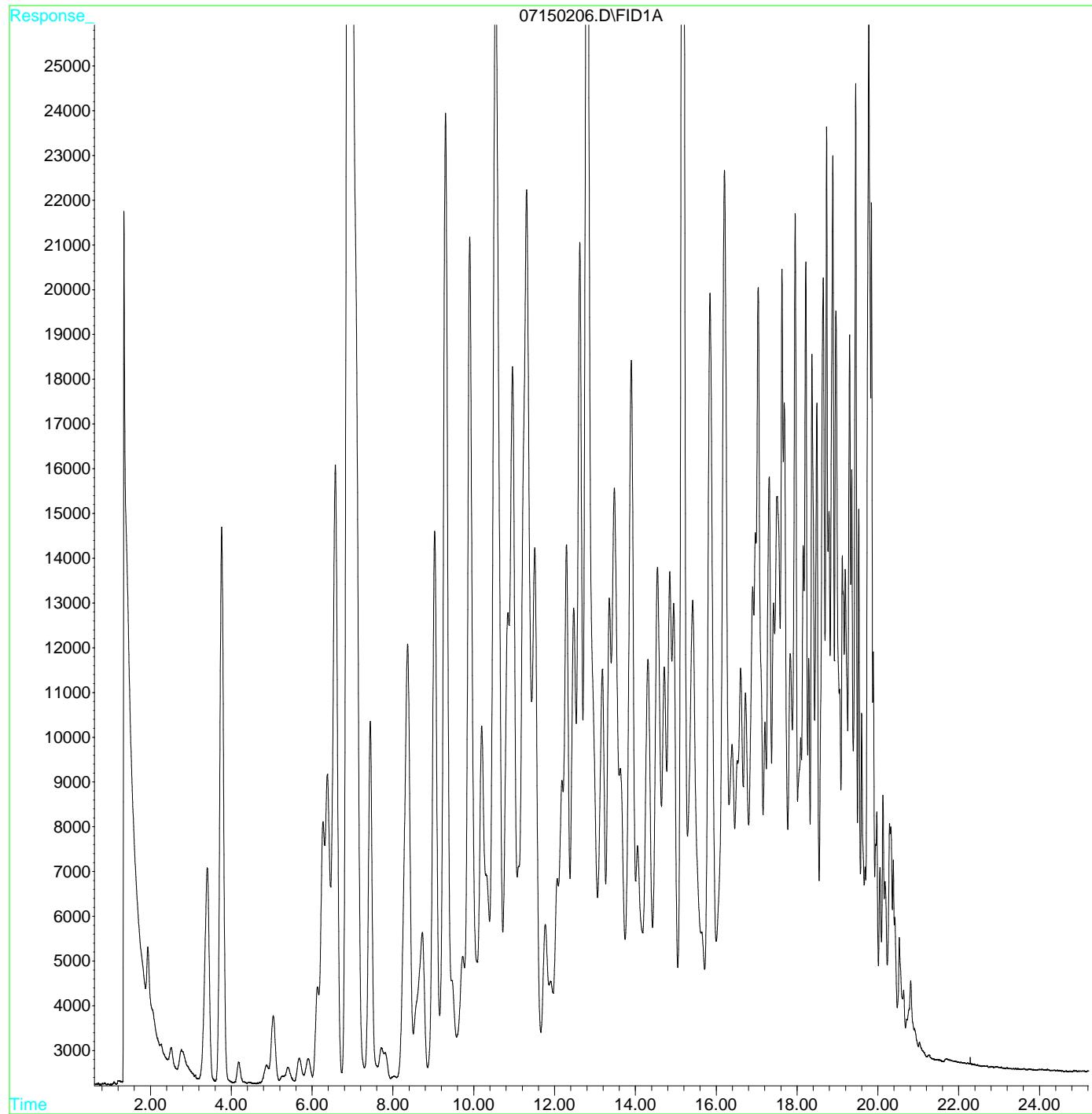
ATTACHMENT 5

Chromatograms from McCampbell Analytical

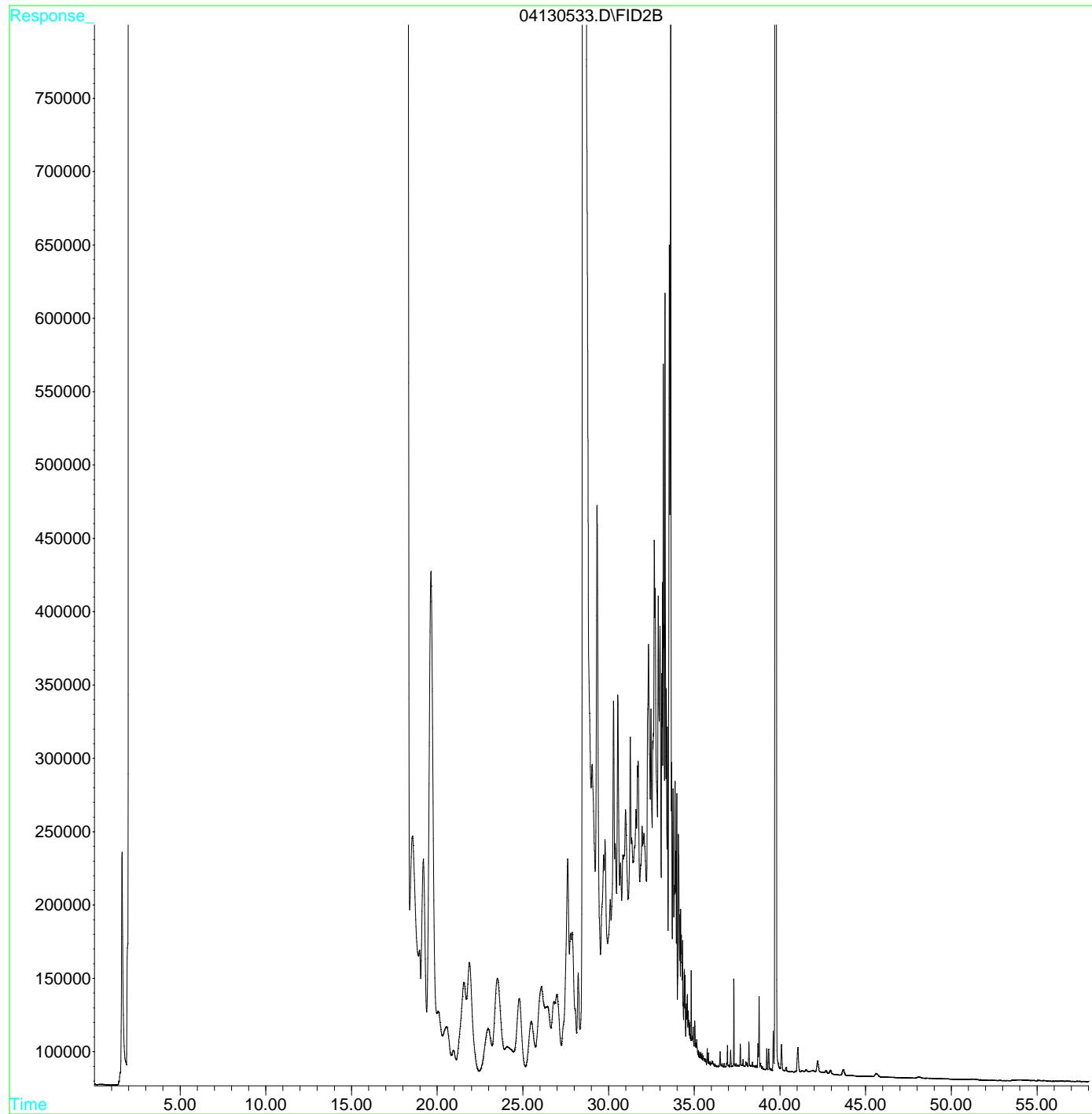
File : D:\HPCHEM\GC11\DATAB\07100211.D
Operator : Thu
Acquired : 10 Jul 2002 5:18 pm using AcqMethod GC11AL.M
Instrument : GC-11
Sample Name: **500-B-6 (2 July 2002) Middle Distillates**
Misc Info :
Vial Number: 56



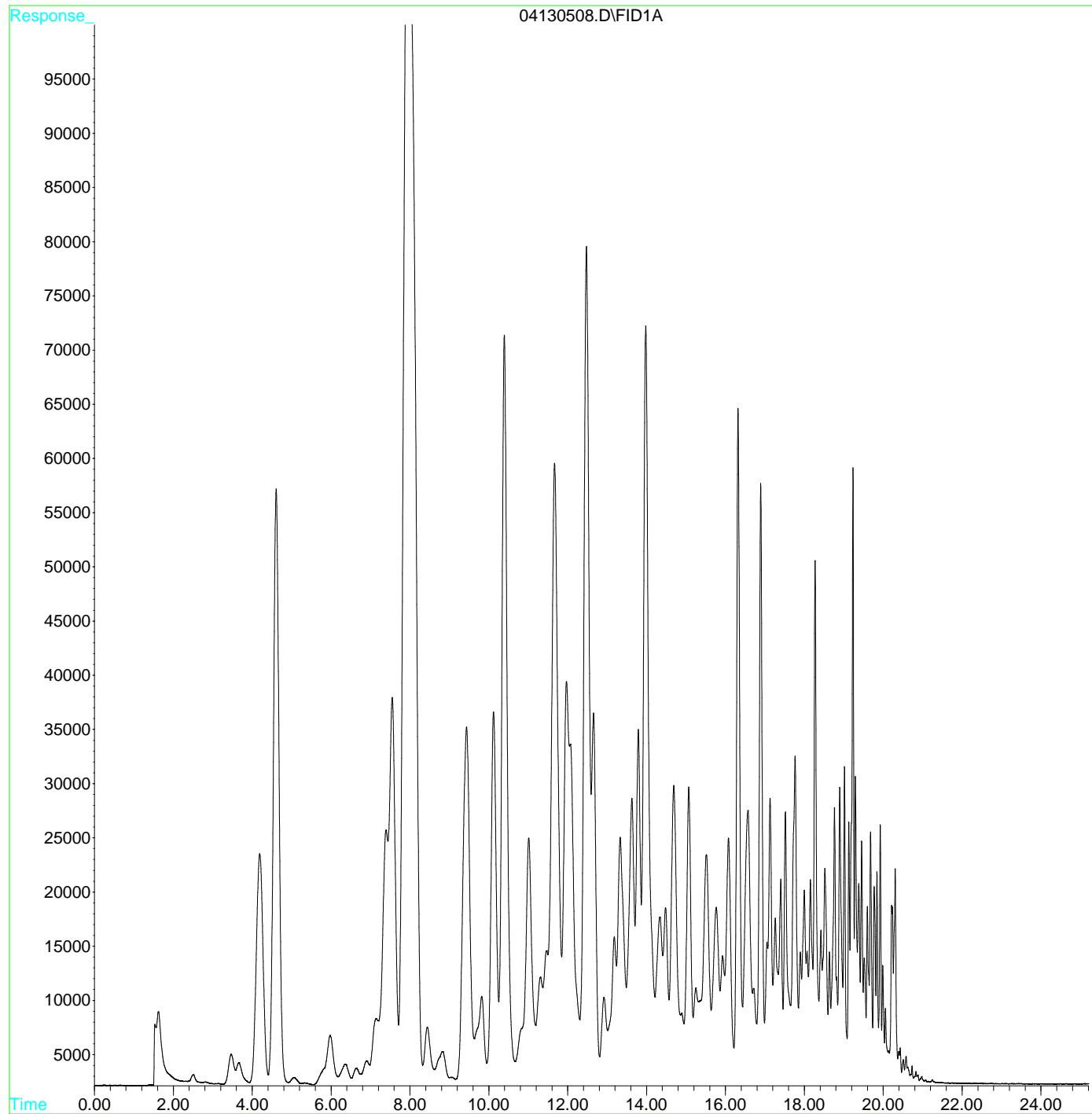
File : D:\HPCHEM\GC3\DATA\07150206.D
Operator :
Acquired : 15 Jul 2002 3:33 pm using AcqMethod GC3F.M
Instrument : GC-3
Sample Name: 500-B-6 (2 July 2002) (Gasoline)
Misc Info : G-MBTEX_W
Vial Number: 6



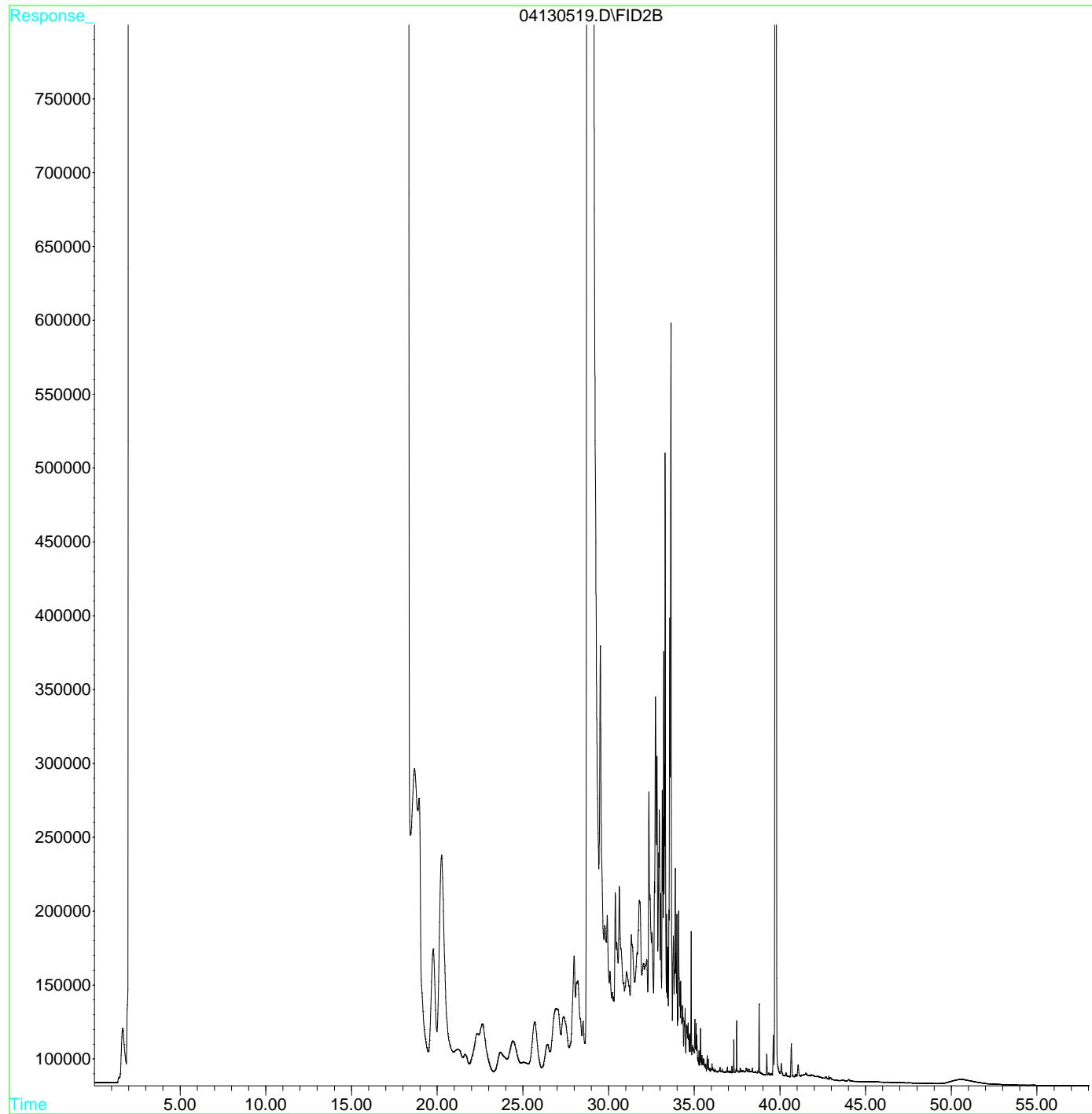
File : D:\HPCHEM\GC11\DATAB\04130533.D
Operator : Thu
Acquired : 14 Apr 2005 5:29 am using AcqMethod GC11AT.M
Instrument : GC-11
Sample Name: **500-MW-5 (11 April 2005) (Middle Distillates)**
Misc Info : TPH(DKMO)_W
Vial Number: 67



File : D:\HPCHEM\GC3\DATA\04130508.D
Operator :
Acquired : 13 Apr 2005 11:51 pm using AcqMethod GC3K.M
Instrument : GC-3
Sample Name: **500-BW-5 (11 April 2005) (Gasoline)**
Misc Info : G-MBTEX_W
Vial Number: 8



File : D:\HPCHEM\GC11\DATAB\04130519.D
Operator : Thu
Acquired : 13 Apr 2005 9:30 pm using AcqMethod GC11AT.M
Instrument : GC-11
Sample Name: **MW2 (11 April 2005) (Middle Distillates)**
Misc Info : TPH(DKMO)_W
Vial Number: 60



File : D:\HPCHEM\GC3\DATA\04130513.D
Operator :
Acquired : 14 Apr 2005 2:33 am using AcqMethod GC3K.M
Instrument : GC-3
Sample Name: **MW2 (11 April 2005) (Gasoline)**
Misc Info : G-MBTEX_W
Vial Number: 13

